

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT				
APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER Young 3-36A1				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT BLUEBELL				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR EP ENERGY E&P COMPANY, L.P.						7. OPERATOR PHONE 713 997-5038				
8. ADDRESS OF OPERATOR 1001 Louisiana, Houston, TX, 77002						9. OPERATOR E-MAIL maria.gomez@epenergy.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Fee			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Robert E. and Teresa W. Young						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') Rt. 4 Box 4688, Roosevelt, UT 84066						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL	FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN			
LOCATION AT SURFACE	700 FSL 390 FWL		SWSW	36	1.0 S	1.0 W	U			
Top of Uppermost Producing Zone	700 FSL 700 FWL		SWSW	36	1.0 S	1.0 W	U			
At Total Depth	700 FSL 700 FWL		SWSW	36	1.0 S	1.0 W	U			
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 390		23. NUMBER OF ACRES IN DRILLING UNIT 640					
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 2000		26. PROPOSED DEPTH MD: 14210 TVD: 14200					
27. ELEVATION - GROUND LEVEL 6604			28. BOND NUMBER 400JU0708		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Roosevelt City/Ballard City					
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	17.5	13.375	0 - 850	54.5	J-55 ST&C	10.5	Class G	1060	1.15	15.8
SURF	12.25	9.625	0 - 3500	40.0	N-80 LT&C	10.5	Type V	514	2.36	12.0
							Class G	375	1.3	14.3
I1	8.75	7	0 - 10010	29.0	HCP-110 LT&C	10.1	Class G	523	1.91	12.5
							Class G	220	1.64	13.0
L1	6.125	5	9810 - 14210	18.0	HCP-110 LT&C	14.5	Class G	269	1.42	16.4
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Maria S. Gomez			TITLE Principal Regulatory Analyst			PHONE 713 997-5038				
SIGNATURE			DATE 09/09/2014			EMAIL maria.gomez@epenergy.com				
API NUMBER ASSIGNED 43047547340000			APPROVAL Permit Manager							

**Young 3-36A1
Sec. 36, T1S, R1W
UINTAH COUNTY, UT**

EP ENERGY E&P COMPANY, L.P.

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers

<u>Formation</u>	<u>Depth</u>
Green River (GRRV)	5,597' TVD
Green River (GRTN1)	7,072' TVD
Mahogany Bench	7,702' TVD
L. Green River	8,812' TVD
Wasatch	9,807' TVD
T.D. (Permit)	14,200' TVD / +/- 14,210' MD

2. Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River (GRRV)	5,597' TVD / 5,600' MD
	Green River (GRTN1)	7,072' TVD / 7,079' MD
	Mahogany Bench	7,702' TVD / 7,710' MD
Oil	L. Green River	8,812' TVD / 8,822' MD
Oil	Wasatch	9,807' TVD / 9,817' MD

3. Pressure Control Equipment: (Schematic Attached)

A 4.5" by 20.0" Diverter Stack on structural pipe from surface to 850' MD/TVD. A 4.5" by 13-3/8" Diverter Stack w/ rotating head from 850' MD/TVD to 3,500' MD/TVD on Conductor. A 10M BOP stack w/ rotating head, spacer spool, 5M annular, flex rams, blind rams & single w/ flex rams from 3,500' MD/TVD to 10,010' MD / 10,000' TVD. A 10M BOP stack w/ rotating head, spacer spool, 5M annular, flex rams, blind rams & single w/ flex rams from 10,010' MD / 10,000' TVD to TD (14,210' MD/ 14,200' TVD).

The BOPE and related equipment will meet the requirements of the 5M and 10M system.

OPERATORS MINIMUM SPECIFICATIONS FOR BOPE:

The surface casing will be equipped with a flanged casing head of 5M psi working pressure. An 11" 5M x 11" 10M spool, 11" x 10M psi BOP and 5M psi annular will be nipped up on the surface casing and tested to 250 psi low test / 3,000 psi high test for 10 minutes each prior to drilling out. The surface casing

will be tested to 1,000 psi. for 30 mins. Intermediate casing will be tested to the greater of 1,500 psi or 0.22 psi/ft. The choke manifold equipment, upper Kelly cock and floor safety valves will be tested to 5M psi. The annular preventer will be tested to 250 psi low test / 4,000 psi high test. The 10M BOP will be installed with rotating head, spacer spool, 5M annular, flex rams, blind rams & single w/ flex rams from surface shoe to TD. The BOPE will be hydraulically operated.

In addition, the BOP equipment will be tested after running intermediate casing, after any repairs to the equipment and at least once every 30 days. Pipe and blind rams will be activated on each trip, annular preventer will be activated weekly and weekly BOP drills will be held with each crew.

Statement on Accumulator System and Location of Hydraulic Controls:

Precision Rig # 406 is expected to be used to drill the proposed well. Operations will commence after approval of this application. Manual and/or hydraulic controls will be in compliance with 5M and 10M psi systems.

Auxiliary Equipment:

- A) Pason Gas Monitoring 850' - TD
- B) Mud logger with gas monitor – 3,500' to TD
- C) Choke manifold with one manual and one hydraulic operated choke
- D) Full opening floor valve with drill pipe thread
- E) Upper and lower Kelly cock
- F) Shaker, de-sander and centrifuge

4. Proposed Casing & Cementing Program:

Please refer to the attached Wellbore Diagram.

All casing will meet or exceed the following design safety factors:

- Burst = 1.00
- Collapse = 1.125
- Tension = 1.2 (including 100k# overpull)

Cement design calculations for intermediate and production hole will be based on minimum 10% excess over gauge hole volumes. Actual volumes pumped will be a minimum of 10% excess over caliper volume to designed tops of cement for any section logged. A minimum of 50% excess over gauge volume will be pumped on surface casing.

5. Drilling Fluids Program:

Proposed Mud Program:

Interval	Type	Mud Weight
Surface	WBM	10.5
Intermediate	WBM	9.5 – 10.1
Production	WBM	11.0 – 14.5

Anticipated mud weights are based on actual offset well bottom-hole pressure data. Mud weights utilized may be somewhat higher to allow for trip margin and to provide hole stability for running logs and casing.

Visual mud monitoring equipment will be utilized.

6. **Evaluation Program:**

Logs:

Mud Log: 3,500' MD/TVD – TD

Open Hole Logs: Gamma Ray, Neutron-Density, Resistivity, Sonic, from surface casing shoe to TD.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 14,200' TVD equals approximately 10,707 psi. This is calculated based on a 0.754 psi/ft gradient (14.5 ppg mud density at TD).

Maximum anticipated surface pressure equals approximately 7,583 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

Maximum anticipated surface pressure based on frac gradient at 7" casing shoe is 0.8 psi/ft at 10,000' TVD = 8,000 psi

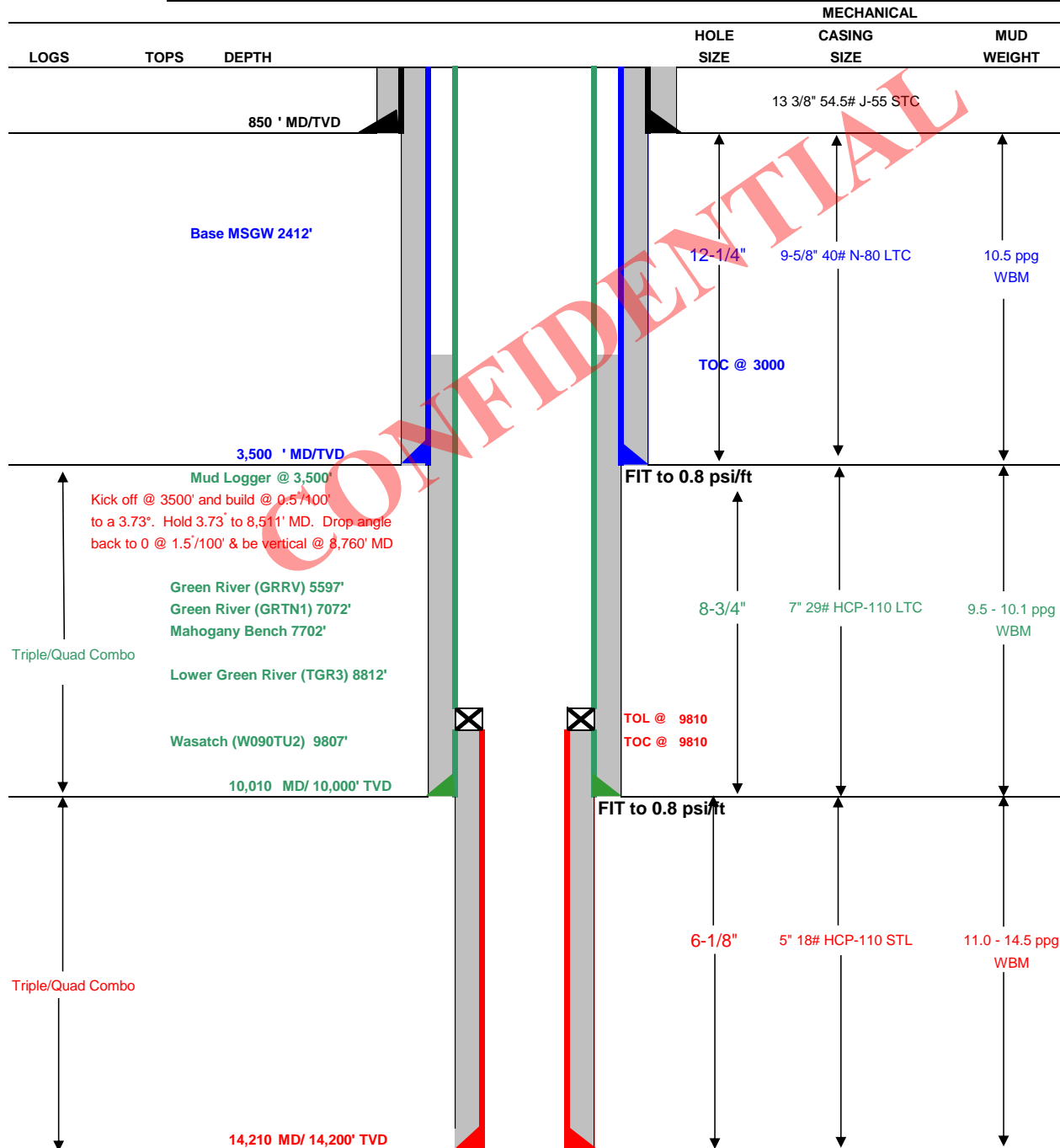
BOPE and casing design will be based on the lesser of the two MASPs which is 7,583 psi.

8. **OPERATOR REQUESTS THAT THE PROPOSED WELL BE PLACED ON CONFIDENTIAL STATUS.**



Drilling Schematic

Company Name: EP ENERGY	Date: August 12, 2014
Well Name: Young 3-36A1	TD: 14,210
Field, County, State: Altamont, Uintah, Utah	AFE #: TBD
Surface Location: Sec 36 T1S R1W 700' FSL 390' FWL	BHL: Sec 36 T1S R1W 700' FSL 700' FWL
Objective Zone(s): Green River, Wasatch	Elevation: 5395.3
Rig: Precision 406	Spud (est.): TBD
BOPE Info: 4.5 x 13 3/8 Diverter System w/ rotating head from 850' to 3,500' . 11 10M BOPE w/ rotating head & 5M annular from 3,500' to 10,010' . 11 10M BOPE w/ rotating head, spacer spool, 5M annular, flex rams, blind rams, single w/ flex rams from 10,010' to TD	



DRILLING PROGRAM

CASING PROGRAM	SIZE	INTERVAL		WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	13 3/8"	0	850	54.5	J-55	STC	2,740	1,130	514
SURFACE	9-5/8"	0	3500	40.00	N-80	LTC	5,750	3,090	737
INTERMEDIATE	7"	0	10010	29.00	HCP-110	LTC	11,220	9,750	797
PRODUCTION LINER	5"	9810	14210	18.00	HCP-110	STL	13,940	15,450	495

CEMENT PROGRAM		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
CONDUCTOR		850	Class G + 3% CACL2	1060	100%	15.8 ppg	1.15
SURFACE	Lead	2,500	EXTENDACEM SYSTEM: Type V Cement + 2% Cal-Seal + 0.35% Versaset + 0.3% D-Air 5000 + 6% Salt + 2% Econolite + 0.125 Poly-E-Flake	514	75%	12.0 ppg	2.36
	Tail	1,000	HALCEM SYSTEM: Class G Cement + 3 lbm/sk Silicalite Compacted + 1% Salt + 0.3% Econolite + 0.25 lbm/sk Poly-E-Flake + 0.25 lbm/sk Kwik Seal + 0.3% D-AIR 5000	375	50%	14.3 ppg	1.30
INTERMEDIATE	Lead	5,210	EXTENDACEM SYSTEM: Class G Cement + 6% Bentonite + 0.2% Econolite + 0.3% Versaset + 0.75% HR-5 + 0.3% Super CBL + 0.2% Halad-322 + 0.125 lb/sk Poly-E-Flake	523	30%	12.5 ppg	1.91
	Tail	1,800	EXPANDACEM SYSTEM: Class G Cement + 4% Bentonite + 0.25 Poly-E-Flake + 0.1% Halad-413 + 5 lb/sk Silicalite Compacted + 0.15% SA-1015 + 0.3% HR-5	220	30%	13.0 ppg	1.64
PRODUCTION LINER		4,400	EXTENDACEM SYSTEM: Class G Cement + 35% SSA-1 (Silica Flour) + 0.3% D-Air 5000 + 0.55% HR-601 + 0.5% Halad(R)-413 + 0.125 lbm/sk Poly-E-Flake + 1% Bentonite	269	25%	16.40	1.42

FLOAT EQUIPMENT & CENTRALIZERS	
CONDUCTOR	PDC drillable guide shoe, 1 joint, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing.
SURFACE	PDC drillable guide shoe, 1 joint casing, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing & every 3rd joint thereafter.
INTERMEDIATE	PDC drillable 10M,P-110 float shoe, 1 joint, PDC drillable 10M, P-110 float collar. Thread lock all float equipment. Maker joint at 8,800'.
LINER	Float shoe, 1 joint, float collar, 1 joint, landing collar. Thread lock all FE. Maker joints every 1000'.

PROJECT ENGINEER(S): Brad MacAfee 713-997-6383

MANAGER: Bob Dodd

EP ENERGY E&P COMPANY, L.P.

YOUNG 3-36A1 LOCATION

SECTION 36, T1S, R1W, U.S.B.&M.

PROCEED IN A NORTHERLY DIRECTION FROM ROOSEVELT, UTAH ALONG NORTH CRESCENT ROAD APPROXIMATELY 3.0 MILES TO THE JUNCTION OF THIS ROAD AND 3000 N TO THE EAST; TURN RIGHT ONTO 3000 N AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE JUNCTION OF 3000 N AND 2250 E TO THE NORTHEAST; CONTINUE ON 2250 E IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF 2250 E AND 3000 N TO THE SOUTHEAST; TURN RIGHT ONTO 3000 N AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE YOUNG 3-36A1 LOCATION TO THE NORTHEAST; TURN LEFT AND FOLLOW THE PROPOSED ROAD STAKES IN AN NORTHEASTERLY DIRECTION APPROXIMATELY 93' TO THE PROPOSED YOUNG 3-36A1 LOCATION.

TOTAL DISTANCE FROM ROOSEVELT, UTAH TO THE PROPOSED YOUNG 3-36A1 LOCATION IS APPROXIMATELY 5.3 MILES.

Location Photos

Center Stake

Looking Northwesterly

Date Photographed: 07-21-14

Photographed By : C.S.



Access

Looking Northerly

Date Photographed: 07-21-14

Photographed By : C.S.



Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518

DRAWN BY: A.P.C. REVISED:
DATE: 07-24-14

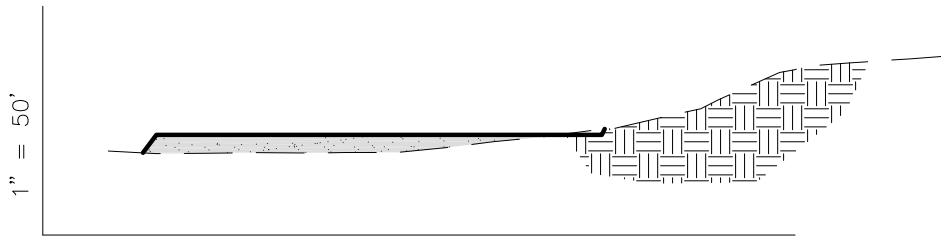
EP ENERGY E&P COMPANY, L.P.

Proposed Young 3-36A1
Sec. 36, T1S, R1W, U.S.B.&M.
Uintah County, UT.

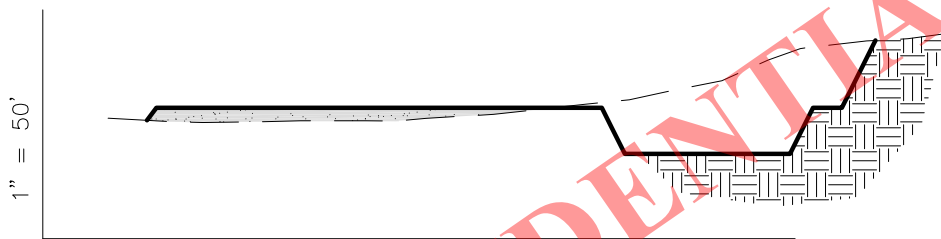
COLOR PHOTOGRAPHS

SHEET

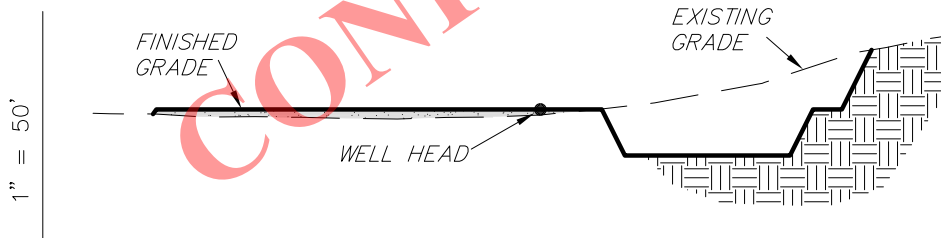
P1

EP ENERGY E&P COMPANY, L.P.**FIGURE #2*****CROSS SECTIONS******YOUNG 3-36A1****Pad Location: SWSW Section 36, T1S, R1W, U.S.B.&M.*

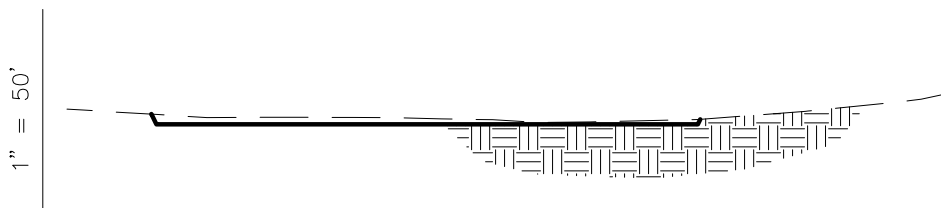
1" = 100'

STA. 4+00

1" = 100'

STA. 2+90

1" = 100'

STA. 2+00

1" = 100'

STA. 0+00
ESTIMATED EARTHWORK QUANTITIES
 (No Shrink or swell adjustments have been used)
 (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	7,400	7,400	Topsoil is not included in Pad Cut Volume	0
PIT	5,600	0		5,600
TOTALS	13,000	7,400	2,720	5,600

NOTE:
 UNLESS OTHERWISE NOTED
 CUT SLOPES ARE AT 1:1
 FILL SLOPES ARE AT 1.5:1

SURVEYED BY:	C.S.	DATE SURVEYED:	07-21-14
DRAWN BY:	L.K.	DATE DRAWN:	07-22-14
SCALE:	1" = 100'	REVISED:	

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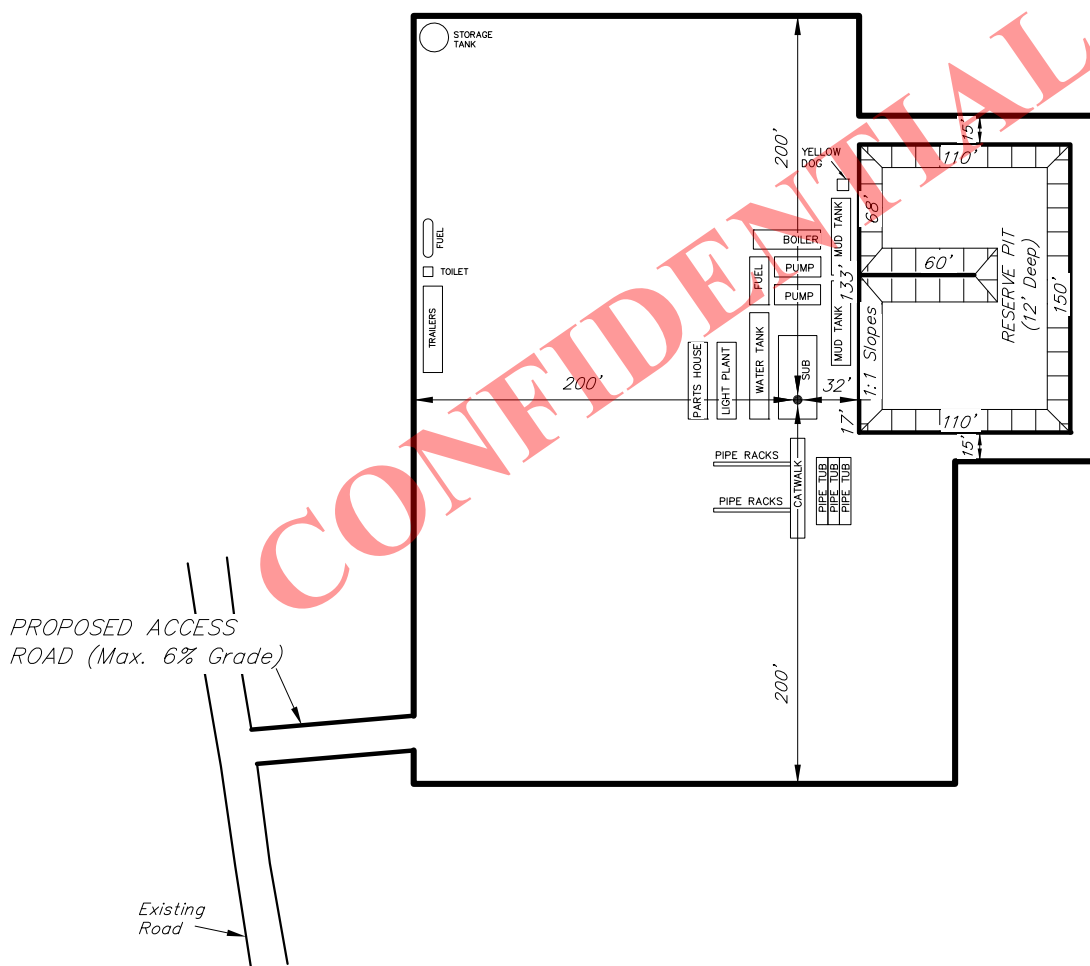
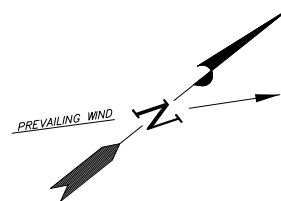
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TYPICAL RIG LAYOUT

YOUNG 3-36A1

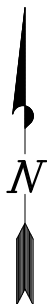
Pad Location: SWSW Section 36, T1S, R1W, U.S.B.&M.



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DRAWN BY:	L.K.	DATE DRAWN:	07-22-14
SCALE:	1" = 100'	REVISED:	

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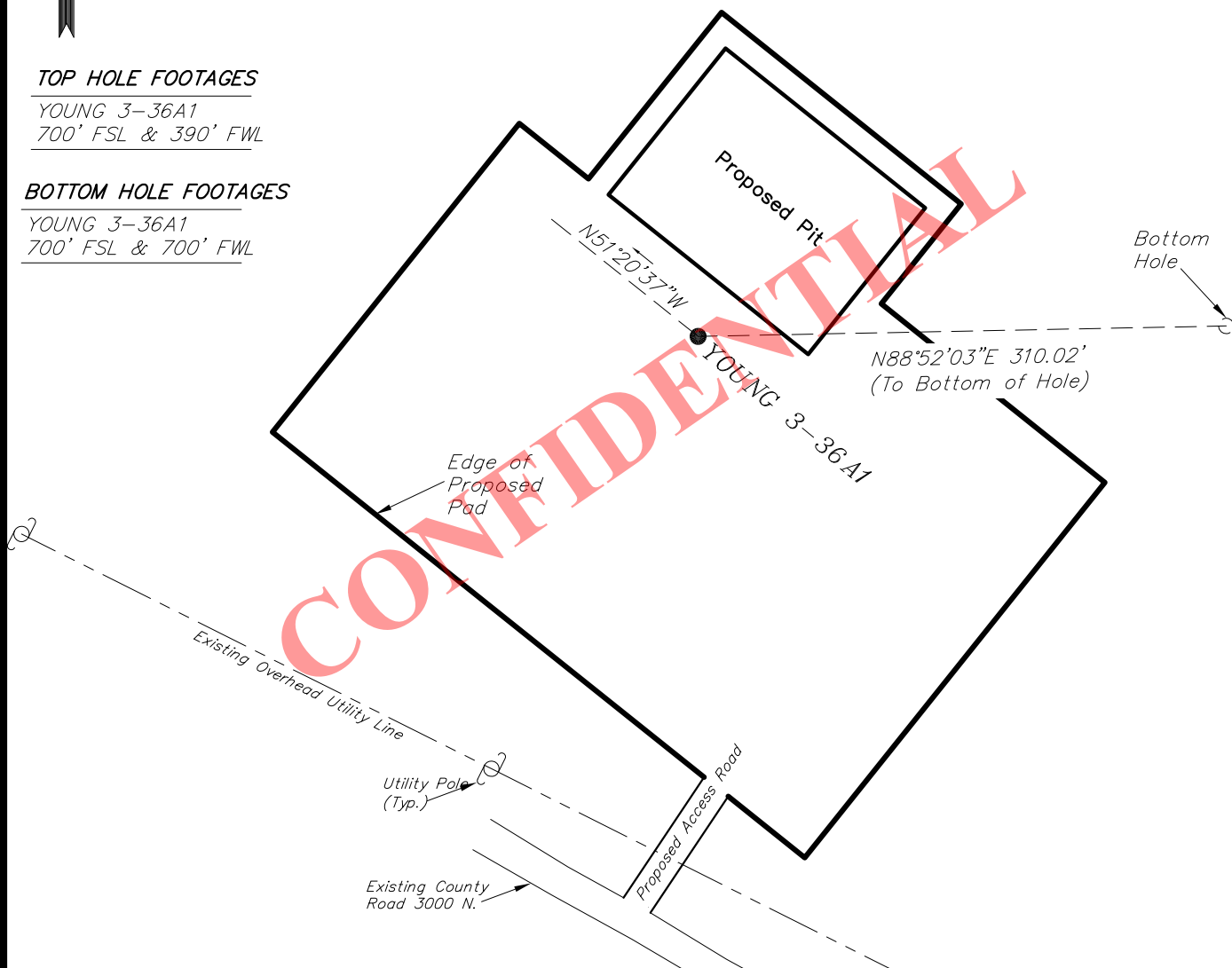
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EP ENERGY E&P COMPANY, L.P.***WELL PAD INTERFERENCE PLAT******YOUNG 3-36A1****Pad Location: SWSW Section 36, T1S, R1W, U.S.B.&M.****TOP HOLE FOOTAGES***

YOUNG 3-36A1
700' FSL & 390' FWL

BOTTOM HOLE FOOTAGES

YOUNG 3-36A1
700' FSL & 700' FWL

**Note:**

Bearings are based
 on GPS Observations.

RELATIVE COORDINATES
From Top Hole to Bottom Hole

WELL	NORTH	EAST
YOUNG 3-36A1	6'	310'

LATITUDE & LONGITUDE
Surface Position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
YOUNG 3-36A1	40° 20' 51.60"	109° 57' 09.73"

LATITUDE & LONGITUDE
Bottom Hole Position (NAD 83)

WELL	LATITUDE	LONGITUDE
YOUNG 3-36A1	40° 20' 51.61"	109° 57' 05.72"

SURVEYED BY: C.S. DATE SURVEYED: 07-21-14
 DRAWN BY: L.K. DATE DRAWN: 07-24-14
 SCALE: 1" = 100' REVISED:

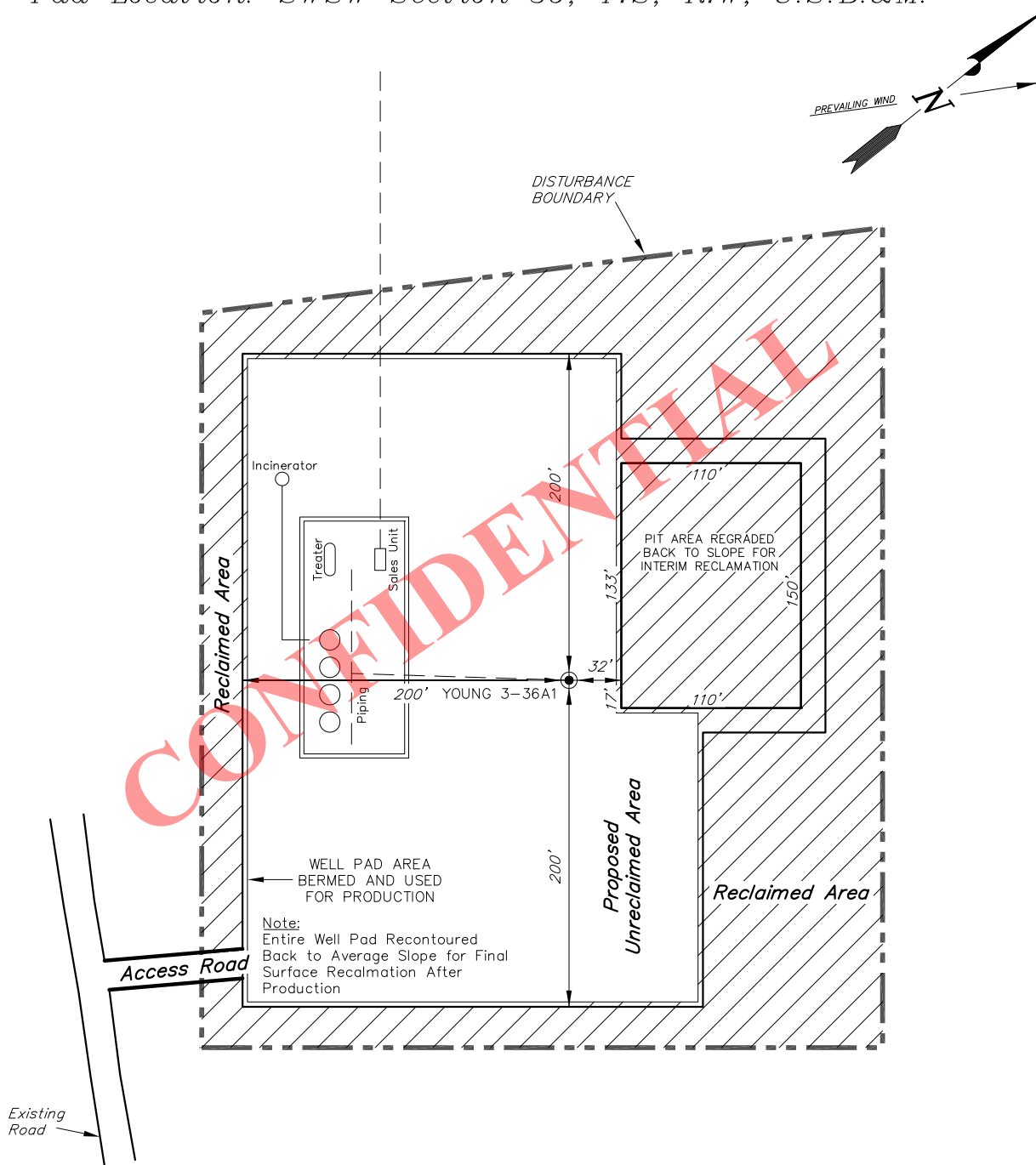
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FIGURE #3

*RECLAMATION LAYOUT**YOUNG 3-36A1**Pad Location: SWSW Section 36, T1S, R1W, U.S.B.&M.*

Notes:

1. Reclaimed area to include seeding of approved vegetation and sufficient storm water management system.
2. Actual Equipment Layout and Reclaimed Pad Surface Area May Change due to Production Requirements or Site Conditions.

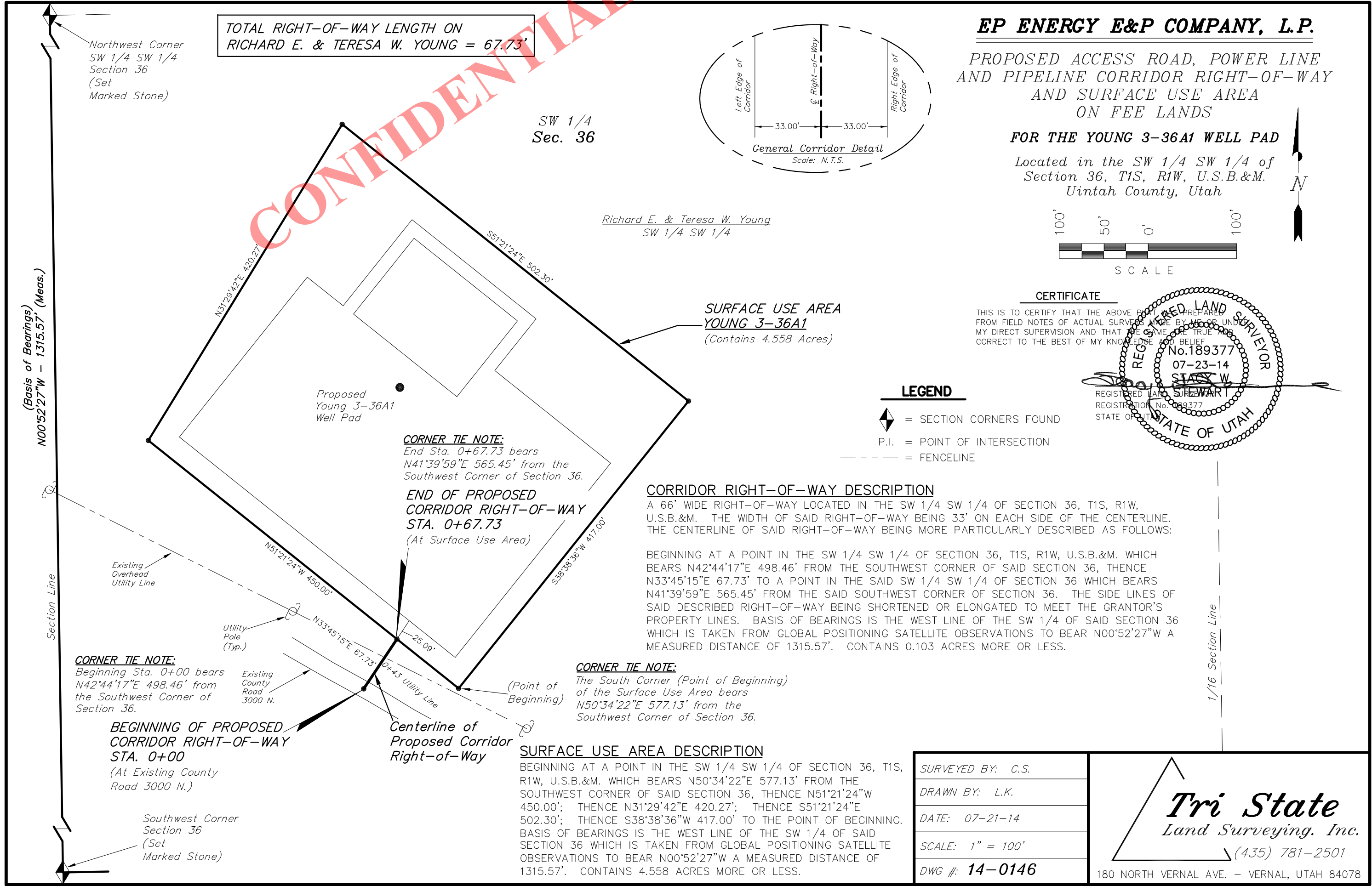
DISTURBED AREA:

TOTAL DISTURBED AREA = 4.56 ACRES
 TOTAL RECLAIMED AREA = 2.31 ACRES
 UNRECLAIMED AREA = 2.25 ACRES

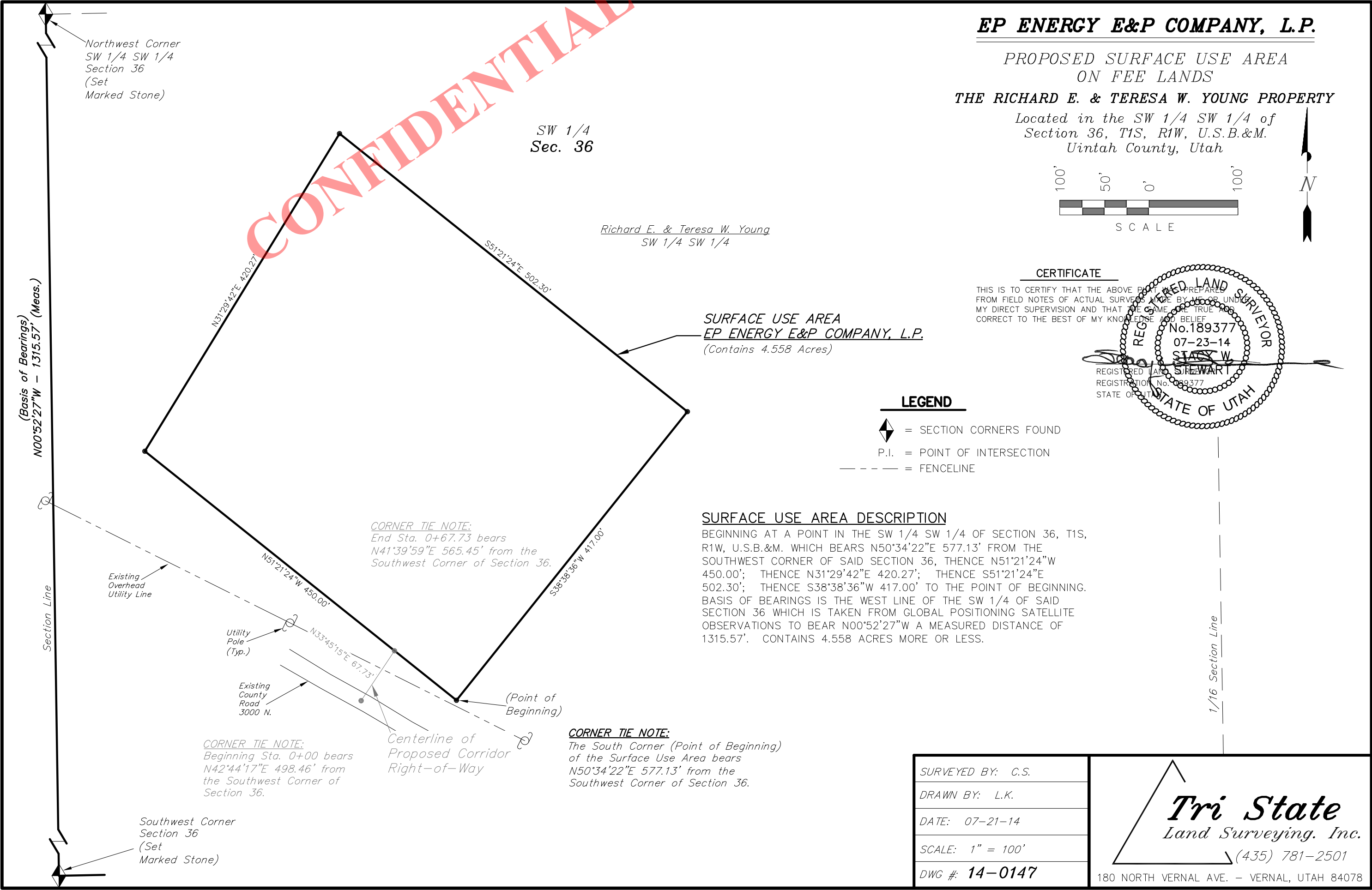
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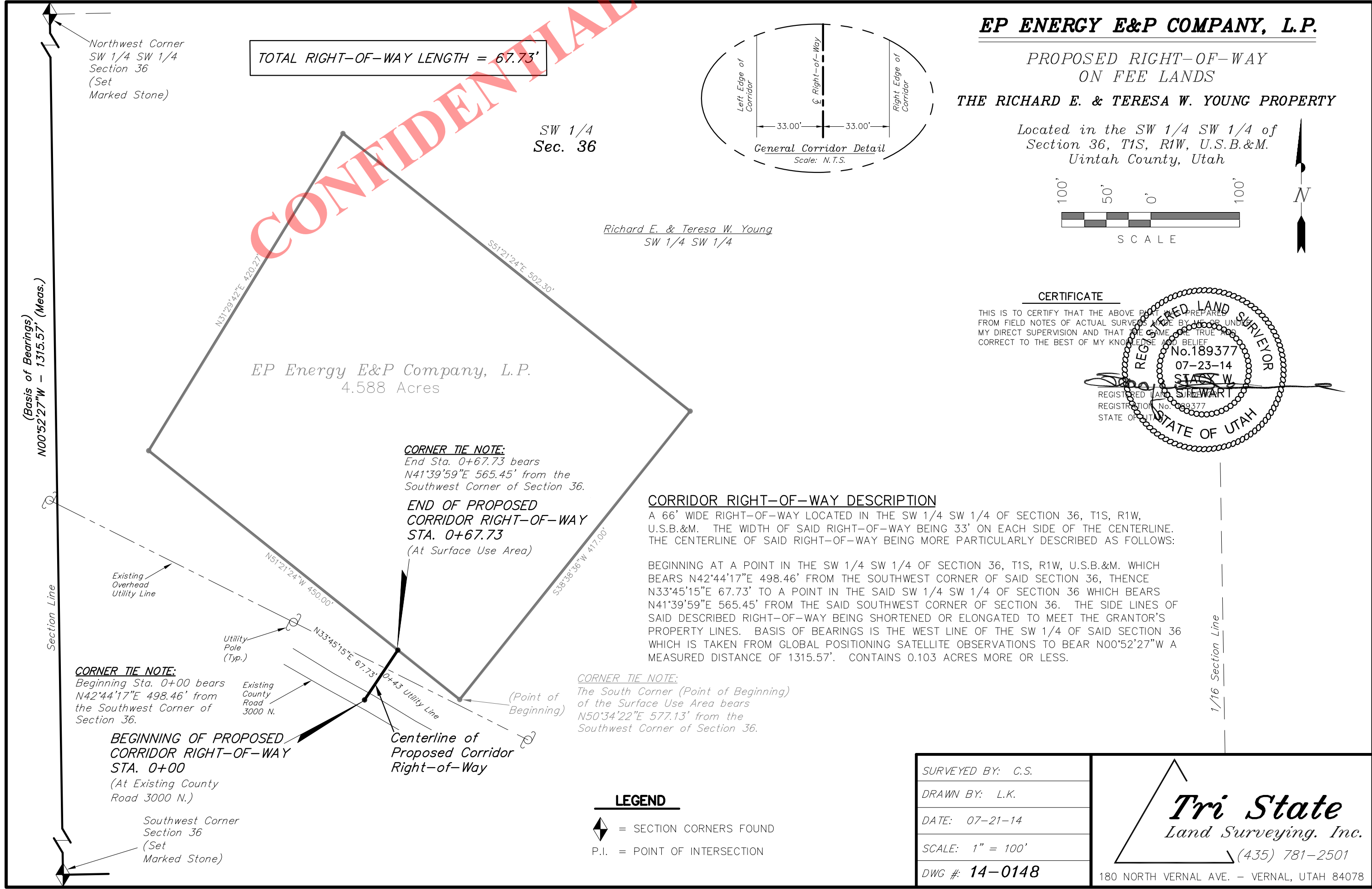
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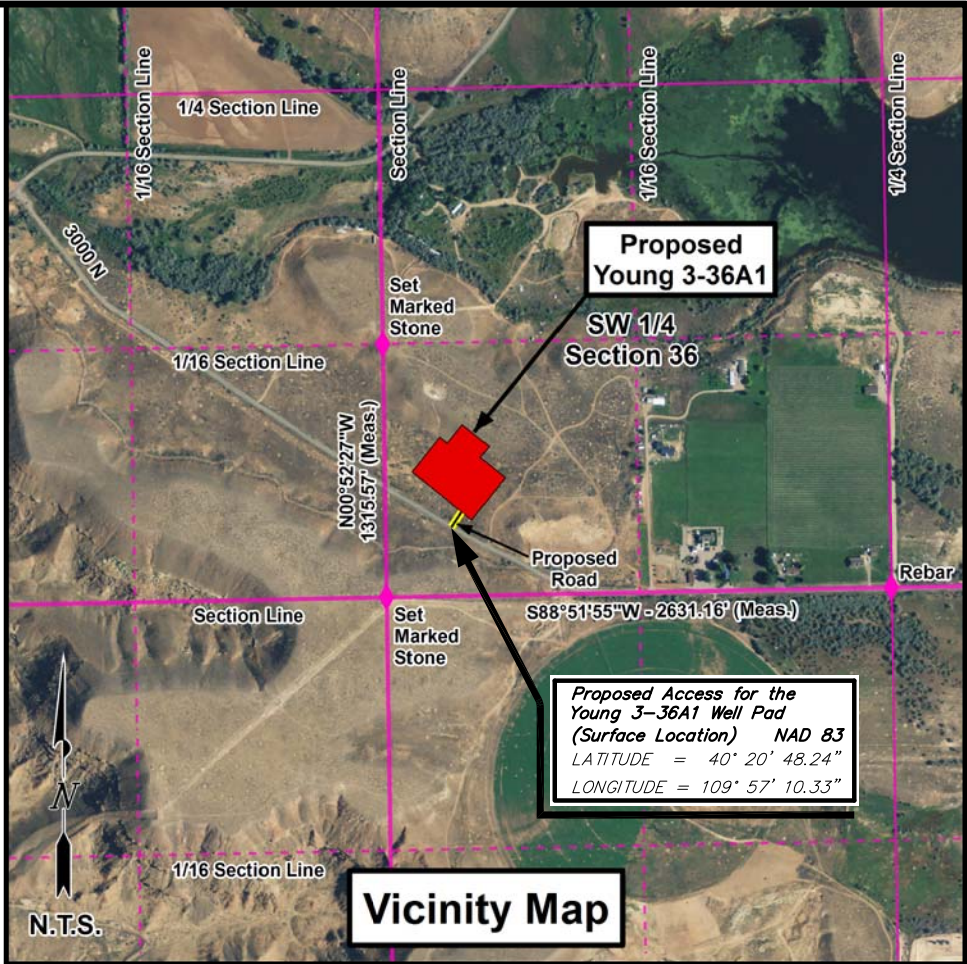
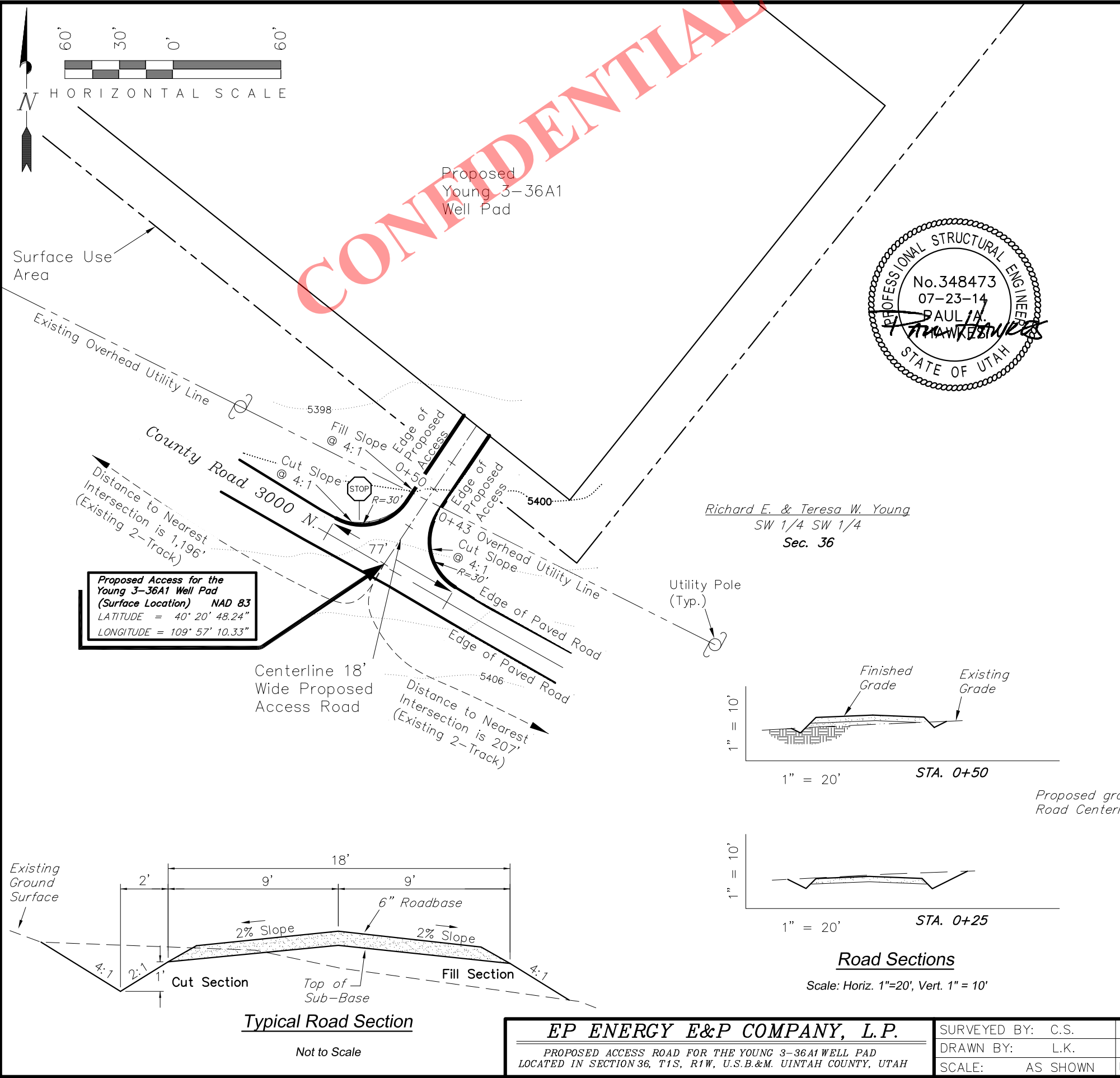
RECEIVED: September 09, 2014



FILE: \\LEWIS\drawings\EP ENERGY\3-36A1 (05-15-14)\dwg\RIGHT OF WAY COMBINED.dwg



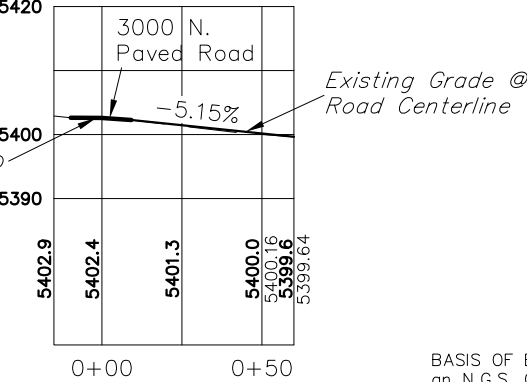




SSD Calculations:
Reaction Time = 2.5 sec (AASHTO standard)
Driver eye Height = 5ft (Truck)
Object height = 3ft (AASHTO intersection standard)
Speed = 25 mph (Assumed Speed Limit)
Coefficient of Friction = 0.35 (Taken from AASHTO)
Deceleration rate = 6.8fps (Truck)
Grade = 0.51% (Measured)

$$SSD = [1.47 * \text{mph} * \text{Reaction Time}] + [(\text{mph})^2 / (30 * (\text{friction} - \text{grade}))]$$
$$SSD = [1.47 * 25 * 2.5] + [(25)^2 / (30 * (0.35 - 0.0051))]$$

SSD = 150ft



Road Profile

Scale: Horiz. 1"=60', Vert. 1" = 30'

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

Road Sections

Scale: Horiz. 1"=20', Vert. 1" = 10'

EP ENERGY E&P COMPANY, L.P.

PROPOSED ACCESS ROAD FOR THE YOUNG 3-36A1 WELL PAD
LOCATED IN SECTION 36, T1S, R1W, U.S.B.&M. UTAH COUNTY, UTAH

SURVEYED BY: C.S.

DATE SURVEYED: 07-21-14

DRAWN BY: L.K.

DATE DRAWN: 07-23-14

SCALE: AS SHOWN

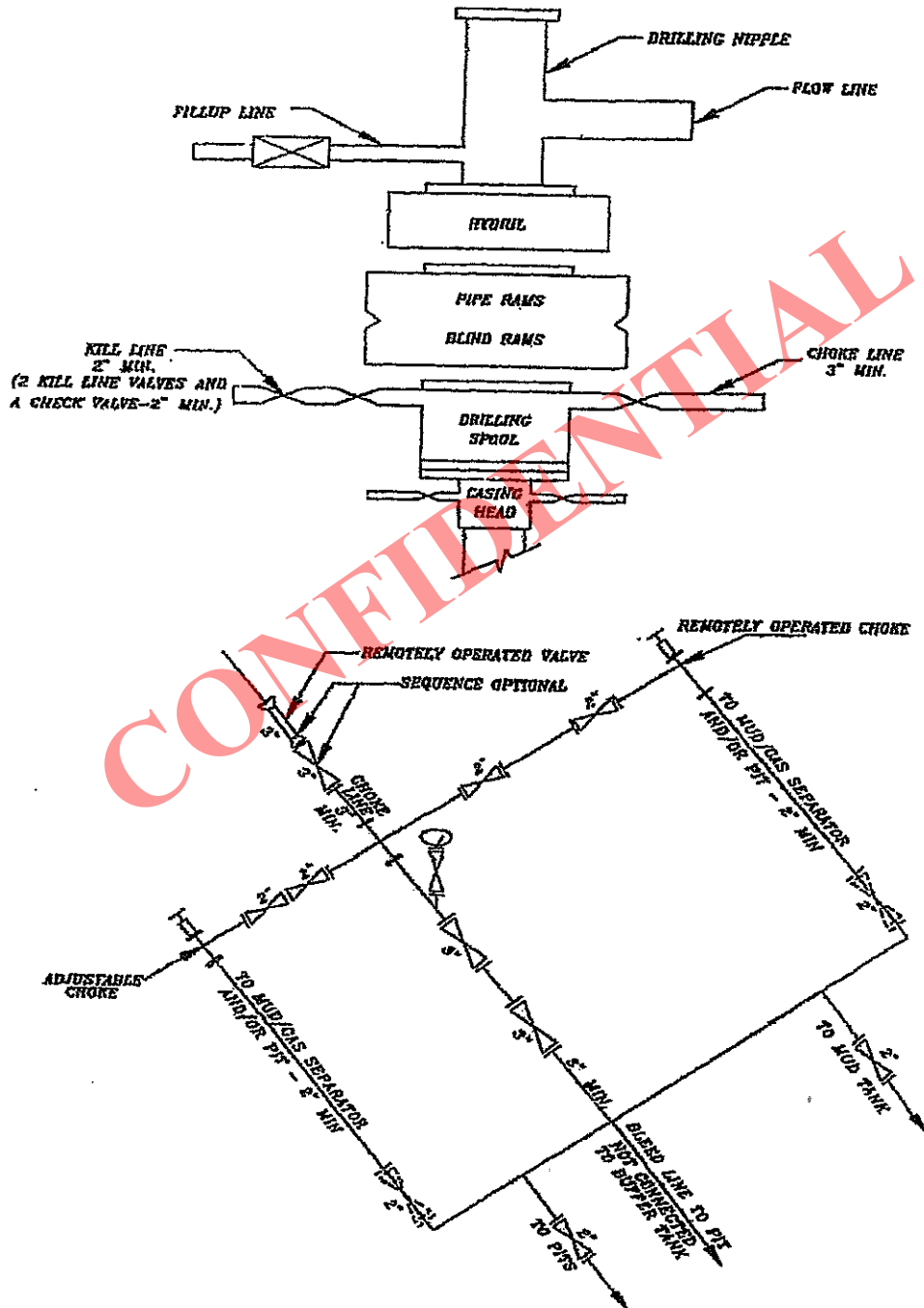
DWG #: #14-0150

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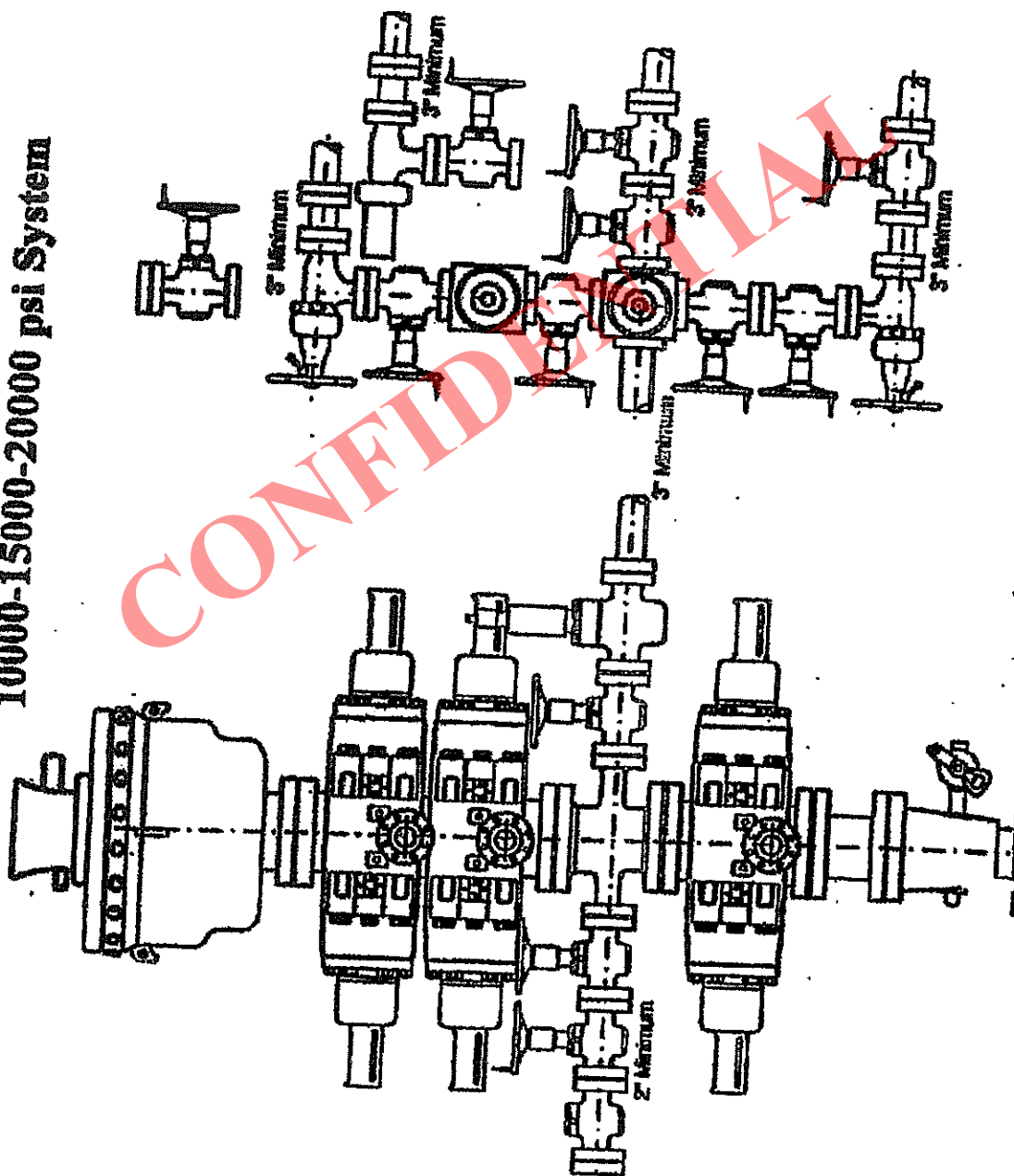
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180 NORTH VERNAL AVE. VERNAL, UTAH 84078

5M BOP STACK and CHOKE MANIFOLD SYSTEM



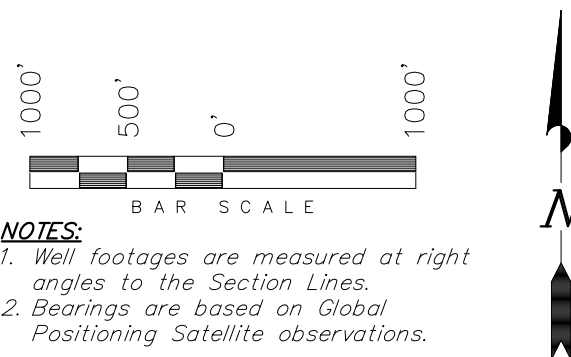
10000-15000-20000 psi System



BASIS OF ELEV; Elevations are based on
an N.G.S. OPUS Correction. LOCATION:
LAT. 40°17'45.87" LONG. 110°23'30.60"
(Tristate Aluminum Cap) NAD 83
Elev. 6604.28'

EP ENERGY E&P COMPANY, L.P.

TARGET BOTTOM HOLE, YOUNG 3-36A1,
LOCATED AS SHOWN IN THE SW 1/4
SW 1/4 OF SECTION 36, T1S, R1W,
U.S.B.&M. UINTAH COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLOT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST
OF MY KNOWLEDGE AND BELIEF.

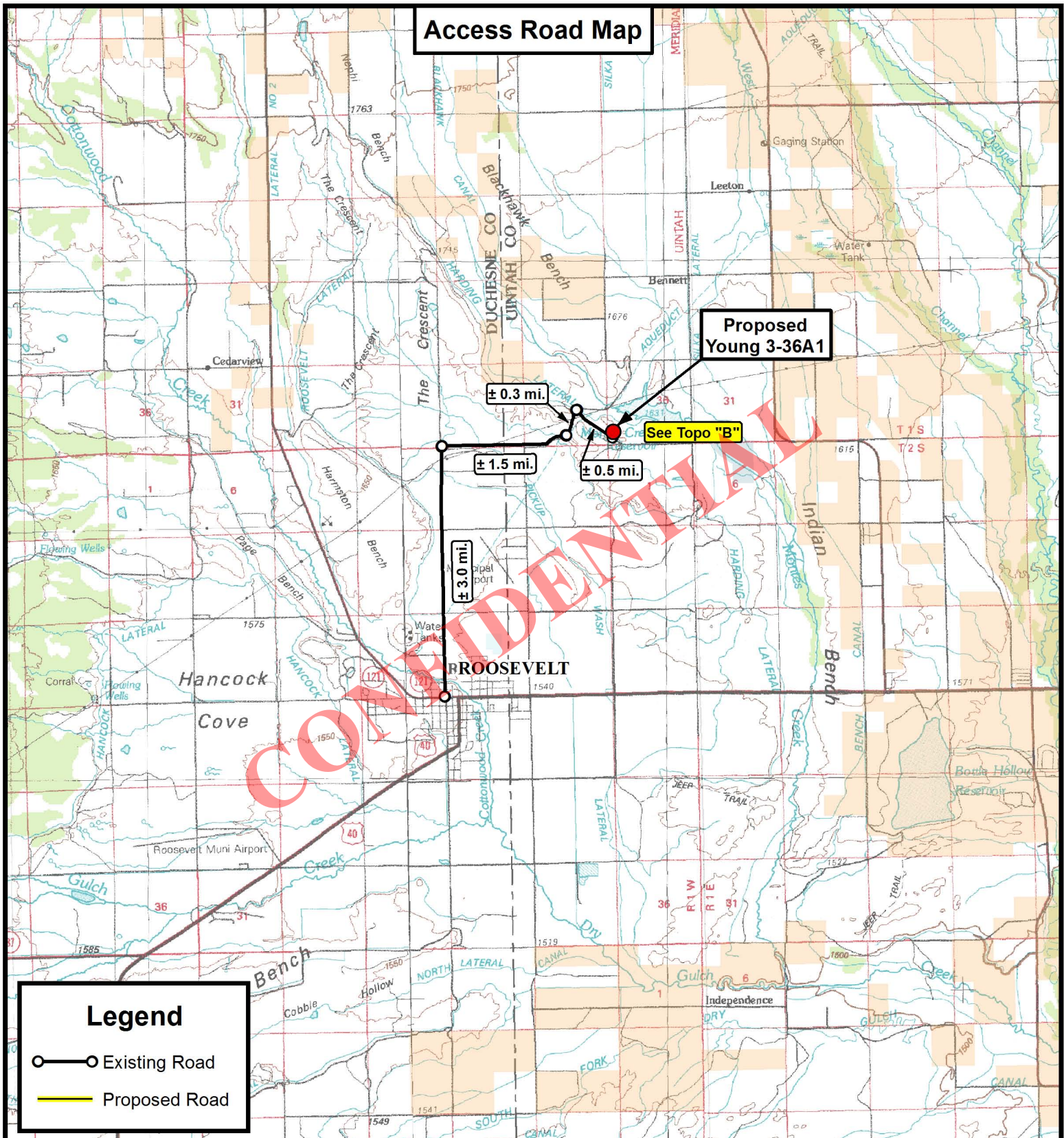
ACKNOWLEDGMENT OF REGISTRATION No. 189377
07-22-14
STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF TEXAS

NAD 83 (SURFACE LOCATION)	
LATITUDE =	40°20'51.60" (40.347668°)
LONGITUDE =	109°57'07.19" (109.952702°)
NAD 27 (SURFACE LOCATION)	
LATITUDE =	40°20'51.75" (40.347710°)
LONGITUDE =	109°57'07.19" (109.951997°)
NAD 83 (BOTTOM HOLE LOCATION)	
LATITUDE =	40°20'51.61" (40.347670°)
LONGITUDE =	109°57'05.72" (109.951590°)
NAD 27 (BOTTOM HOLE LOCATION)	
LATITUDE =	40°20'51.76" (40.347712°)
LONGITUDE =	109°57'03.19" (109.950885°)

180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 07-21-14	SURVEYED BY: C.S.
DATE DRAWN: 07-22-14	DRAWN BY: L.K.
REVISED:	SCALE: 1" = 1000'

Access Road Map



Legend

- Existing Road
- Proposed Road

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518

**EP ENERGY E&P COMPANY, L.P.**

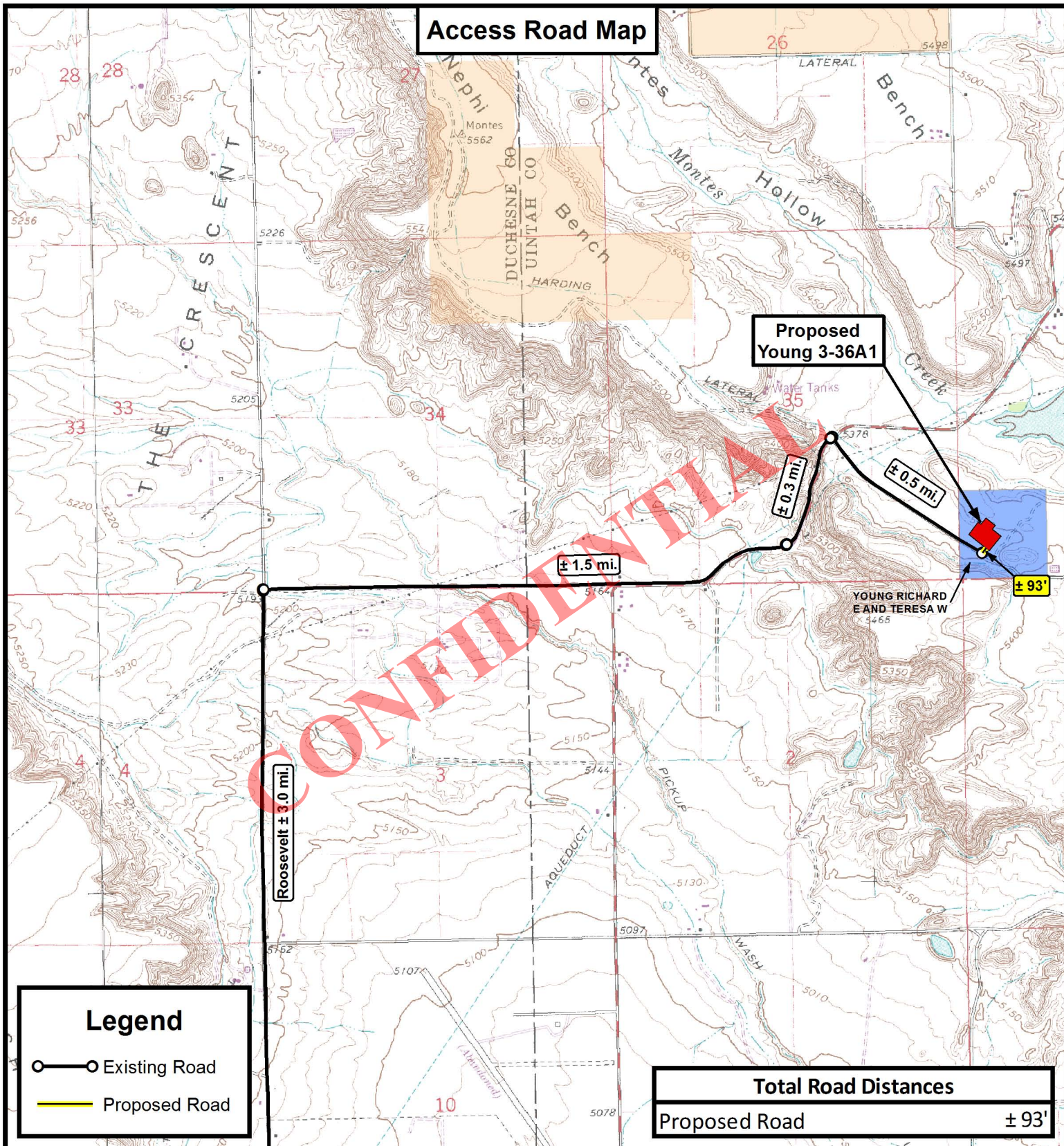
Proposed Young 3-36A1
Sec. 36, T1S, R1W, U.S.B.&M.
Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:
DATE:	07-24-14	
SCALE:	1:100,000	

TOPOGRAPHIC MAP

SHEET

A

Access Road Map

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



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EP ENERGY E&P COMPANY, L.P.

Proposed Young 3-36A1
Sec. 36, T1S, R1W, U.S.B.&M.
Uintah County, UT.

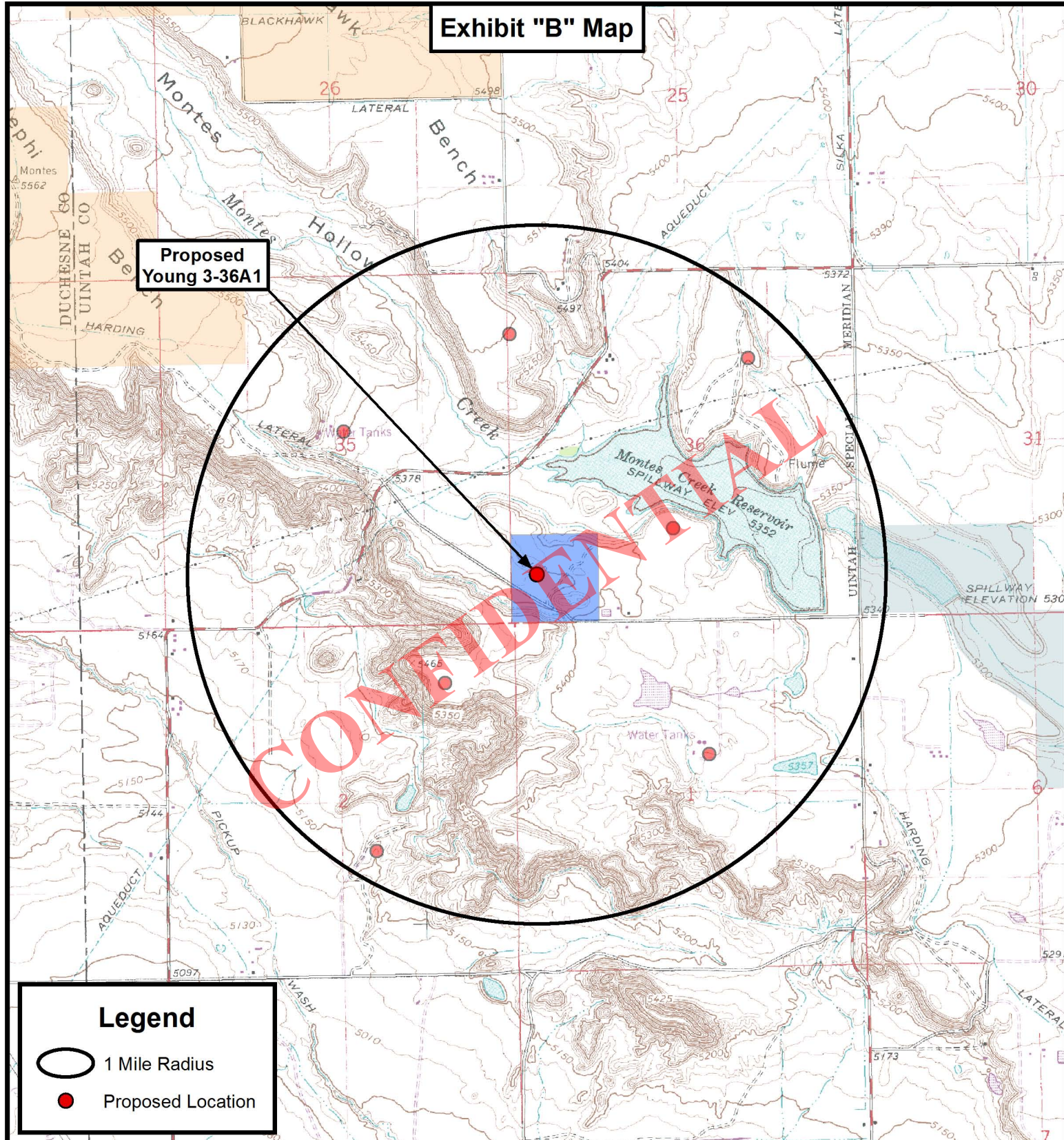
DRAWN BY:	A.P.C.	REVISED:
DATE:	07-24-14	
SCALE:	1" = 2,000'	

TOPOGRAPHIC MAP

SHEET

B

Exhibit "B" Map

Proposed
Young 3-36A1

Legend

- 1 Mile Radius
- Proposed Location

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518

**EP ENERGY E&P COMPANY, L.P.**

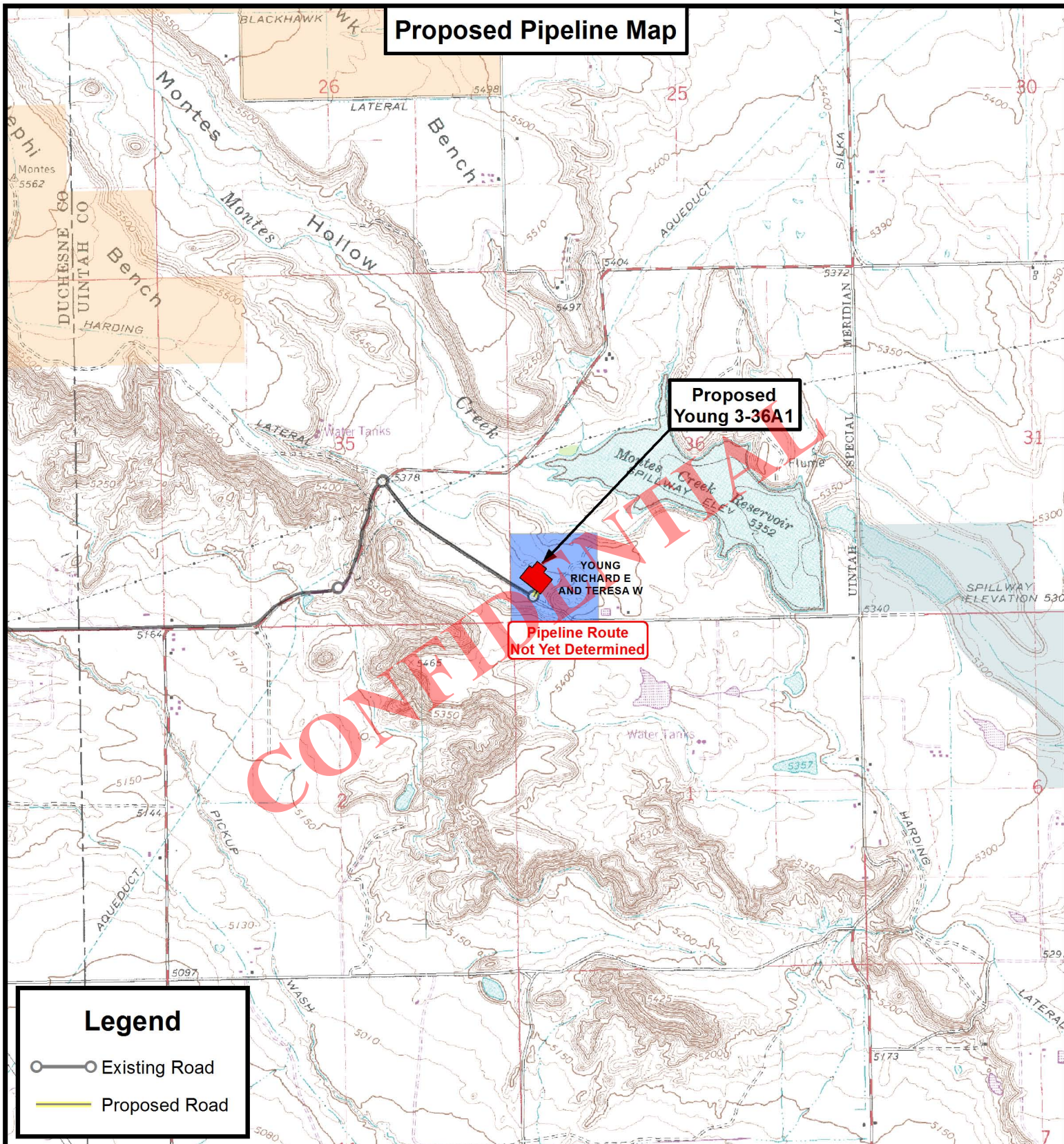
Proposed Young 3-36A1
Sec. 36, T1S, R1W, U.S.B.&M.
Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:
DATE:	07-24-14	
SCALE:	1" = 2,000'	

TOPOGRAPHIC MAP

SHEET

C

Proposed Pipeline Map

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518

**EP ENERGY E&P COMPANY, L.P.**

Proposed Young 3-36A1
Sec. 36, T1S, R1W, U.S.B.&M.
Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:
DATE:	07-24-14	
SCALE:	1" = 2,000'	

TOPOGRAPHIC MAP

SHEET

D

5D Plan Report

5D Plan Report

EP ENERGY

Field Name: UTAH_ CENTRAL ZONE_NAD83
Site Name: YOUNG 3-36A1
Well Name: YOUNG 3-36A1
Plan: P1:V1

12 August 2014



API Well Number: 4304754734000

Plan Data for YOUNG 3-36A1

Field: UTAH Central Zone NAD83
Map Unit: USFt Vertical Reference Datum (VRD):
Projected Coordinate System: NAD83 / Utah Central (FtUS)

Site: YOUNG 3-36A1

Unit: USFeet TVD Reference:
Company Name: EP ENERGY
Position: Northing: 7299097.85USft Latitude: 40.347668°
Easting: 2071657.93USft Longitude: -109.952702°
North Reference: True Grid Convergence: 0.99°
Elevation Above VRD: 5395.30USft

Slot: YOUNG 3-36A1

Position:
Offset is from Site centre
+N/-S: 0.00USft Northing: 7299097.85USft Latitude: 40.347668°
+E/-W: 0.00USft Easting: 2071657.93USft Longitude: -109.952702°
Elevation Above VRD: 5395.30USft

Well: YOUNG 3-36A1

Type: Main Well
File Number:
Vertical Section: Position offset of origin from Slot centre:
+N/-S: 0.00USft Azimuth: 89.87°
+E/-W: 0.00USft

Magnetic Parameters:
Model: Field Strength: Declination: Dip: Date:
BGGM 52069(nT) 11.04° 65.97° 2014-08-11

Plan Point Information:

DogLeg Severity Unit: °/100.00ft Position offsets from Slot centre

MD	Inc	Az	TVD	+N/-S	+E/-W	VSec	DLS	Toolface	Build	Turn
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(DLSU)	(°)	(DLSU)	(DLSU)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.00	0.00
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.0	0.00	0.00
4246.30	3.73	89.87	4245.78	0.06	24.29	24.29	0.50	89.9	0.50	0.00
8510.99	3.73	89.87	8501.42	0.71	301.84	301.85	0.00	0.0	0.00	0.00
8759.76	0.00	0.00	8750.01	0.73	309.94	309.94	1.50	180.0	-1.50	0.00
14209.74	0.00	0.00	14200.00	0.73	309.94	309.94	0.00	0.0	0.00	0.00

Target Set Information:

Name: YOUNG 3-36A1 PBHL 700'FSL & 700'FWL, SEC.36

Name	TVD	Northing	Easting	Lat	Long
(USft)	(USft)	(USft)	(USft)	(°/'/'')	(°/'/'')
PBHL -1	14200.00	7299103.94	2071967.81	40°20'51.6"	-109°57'5.7"

Casing Point Information:

Name	MD	TVD
(USft)	(USft)	(USft)
9 5/8 in	3500.00	3500.00
7 in	10009.74	10000.00
5 in	14209.74	14200.00

Formation Point Information:

Name	TVD	Elevation	MD
(USft)	(USft)	(USft)	(USft)
Green River (GRRV)	5597.00	-184.70	5600.40
Green River (GRTN1)	7072.00	-1659.70	7078.53
Mahogany Bench	7702.00	-2289.70	7709.87
Lower Green River (TGR3)	8812.00	-3399.70	8821.74
Wasatch (W090TU2)	9807.00	-4394.70	9816.74

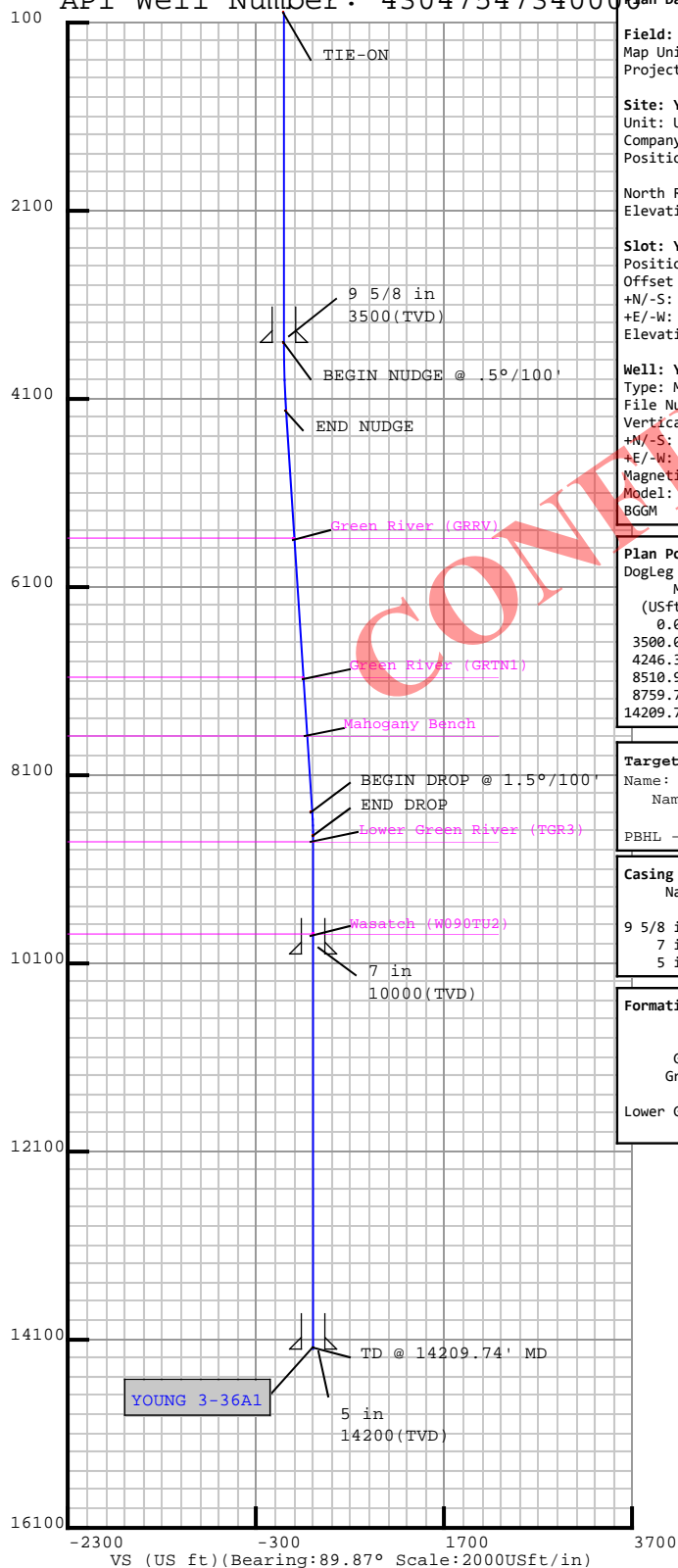
True Grid
Mag Declination: 11.04°
Bearing:
True = Mag + 11.04°
Grid = True - 0.99°

EP ENERGY

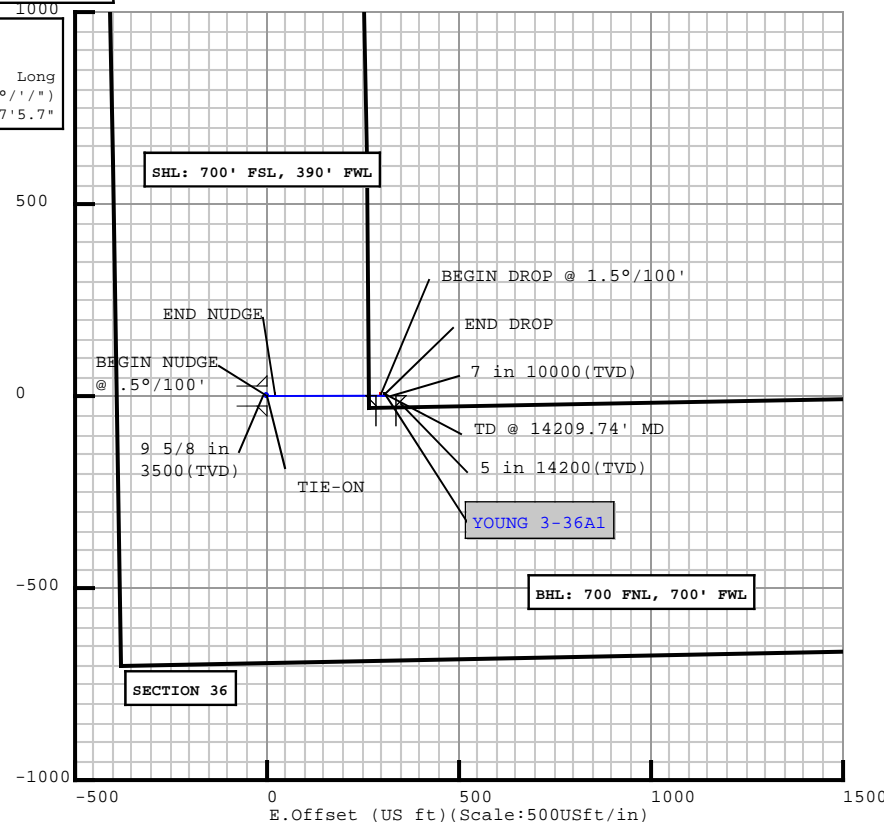


Weatherford

TVD (US ft)



N Offset (US ft)



5D Plan Report



YOUNG 3-36A1

Field Name UTAH_ CENTRAL ZONE_NAD83	Map Units : US ft		Company Name : EP ENERGY				
	Vertical Reference Datum (VRD) :						
	Projected Coordinate System : NAD83 / Utah Central (ftUS)						
	Comment :						
Site Name YOUNG 3-36A1	Units : US ft		North Reference : True		Convergence Angle : 0.99		
	Position	Northing : 7299097.85 US ft		Latitude : 40° 20' 51.60"			
		Easting : 2071657.93 US ft		Longitude : -109° 57' 9.73"			
	Elevation above VRD:5395.30 US ft						
Comment :							
Slot Name YOUNG 3-36A1	Position (Offsets relative to Site Centre)						
	+N / -S : 0.00 US ft		Northing :7299097.85 US ft		Latitude : 40°20'51.60"		
	+E / -W : 0.00 US ft		Easting :2071657.93 US ft		Longitude : -109°57'9.73"		
	Slot TVD Reference : Ground Elevation						
	Elevation above VRD : 5395.30 US ft						
	Comment :						
Well Name YOUNG 3-36A1	Type : Main well		UWI :		Plan : P1:V1		
	Rig Height <i>Drill Floor</i> : 17.00 US ft		Comment :				
	Relative to VRD: 5412.30 US ft						
	Closure Distance : 309.943 US ft		Closure Azimuth : 89.8651°				
	Vertical Section (Position of Origin Relative to Slot)						
	+N / -S : 0.00 US ft		+E / -W : 0.00 US ft		Az :89.87°		
	Magnetic Parameters						
	Model : BGGM		Field Strength : 52069.4nT		Dec : 11.04°		Dip : 65.97°

5D Plan Report

Plan Archive			
Plan Folder	Date	Comment	Plans
P1	11/Aug/2014		<div>Plan</div> <div>P1:V1</div> <div>Date</div> <div>11/Aug/2014</div> <div>Comment</div>

Target Set	
Name : YOUNG 3-36A1 PBHL 700'FSL & 700'FWL, SEC.36	Number of Targets : 1

Comment :

TargetName:	Position (Relative to Slot centre)		
PBHL -1	+N / -S : 0.73US ft	Northing : 7299103.94 US ft	Latitude : 40°20'51.61"
Shape:	+E / -W : 309.94 US ft	Easting : 2071967.81US ft	Longitude : -109°57'5.72"
Cuboid	TVD (Drill Floor) : 14200.00 US ft		
	Orientation	Azimuth : 0.00°	Inclination : 0.00°
	Dimensions	Length : 1.00 US ft	Breadth : 1.00 US ft
			Height : 1.00 US ft

Casing Points (Relative to Slot centre, TVD relative to Drill Floor)						
Name	MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)
9 5/8 in	3500.00	0.00	0.00	3500.00	0.00	0.00
7 in	10009.74	0.00	0.00	10000.00	0.73	309.94
5 in	14209.74	0.00	0.00	14200.00	0.73	309.94

Well path created using minimum curvature

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	TIE-ON
100.00	0.00	0.00	100.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	

5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
300.00	0.00	0.00	300.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
800.00	0.00	0.00	800.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
900.00	0.00	0.00	900.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
1000.00	0.00	0.00	1000.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
1100.00	0.00	0.00	1100.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
1200.00	0.00	0.00	1200.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
1300.00	0.00	0.00	1300.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
1400.00	0.00	0.00	1400.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
1500.00	0.00	0.00	1500.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
1600.00	0.00	0.00	1600.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
1700.00	0.00	0.00	1700.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
1800.00	0.00	0.00	1800.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
1900.00	0.00	0.00	1900.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
2000.00	0.00	0.00	2000.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
2100.00	0.00	0.00	2100.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	

5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
2200.00	0.00	0.00	2200.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
2300.00	0.00	0.00	2300.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
2400.00	0.00	0.00	2400.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
2500.00	0.00	0.00	2500.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
2600.00	0.00	0.00	2600.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
2700.00	0.00	0.00	2700.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
2800.00	0.00	0.00	2800.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
2900.00	0.00	0.00	2900.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
3000.00	0.00	0.00	3000.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
3100.00	0.00	0.00	3100.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
3200.00	0.00	0.00	3200.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
3300.00	0.00	0.00	3300.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
3400.00	0.00	0.00	3400.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	
3500.00	0.00	0.00	3500.00	0.00	0.00	40°20'51.60"	- 109°57'9.73"	0.00	0.00	0.00	BEGIN NUDGE @ .5°/100'; 9 5/8 in
3600.00	0.50	89.87	3600.00	0.00	0.44	40°20'51.60"	- 109°57'9.72"	0.50	89.87	0.44	
3700.00	1.00	89.87	3699.99	0.00	1.75	40°20'51.60"	- 109°57'9.70"	0.50	0.00	1.75	
3800.00	1.50	89.87	3799.97	0.01	3.93	40°20'51.60"	- 109°57'9.68"	0.50	0.00	3.93	
3900.00	2.00	89.87	3899.92	0.02	6.98	40°20'51.60"	- 109°57'9.64"	0.50	0.00	6.98	

5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
4000.00	2.50	89.87	3999.84	0.03	10.91	40°20'51.61"	- 109°57'9.59"	0.50	0.00	10.91	
4100.00	3.00	89.87	4099.73	0.04	15.70	40°20'51.61"	- 109°57'9.52"	0.50	0.00	15.70	
4200.00	3.50	89.87	4199.56	0.05	21.37	40°20'51.61"	- 109°57'9.45"	0.50	0.00	21.37	
4246.30	3.73	89.87	4245.78	0.06	24.29	40°20'51.61"	- 109°57'9.41"	0.50	0.00	24.29	END NUDGE
4300.00	3.73	89.87	4299.36	0.07	27.79	40°20'51.61"	- 109°57'9.37"	0.00	0.00	27.79	
4400.00	3.73	89.87	4399.15	0.08	34.30	40°20'51.61"	- 109°57'9.28"	0.00	0.00	34.30	
4500.00	3.73	89.87	4498.93	0.10	40.80	40°20'51.61"	- 109°57'9.20"	0.00	0.00	40.80	
4600.00	3.73	89.87	4598.72	0.11	47.31	40°20'51.61"	- 109°57'9.12"	0.00	0.00	47.31	
4700.00	3.73	89.87	4698.51	0.13	53.82	40°20'51.61"	- 109°57'9.03"	0.00	0.00	53.82	
4800.00	3.73	89.87	4798.30	0.14	60.33	40°20'51.61"	- 109°57'8.95"	0.00	0.00	60.33	
4900.00	3.73	89.87	4898.09	0.16	66.84	40°20'51.61"	- 109°57'8.86"	0.00	0.00	66.84	
5000.00	3.73	89.87	4997.87	0.17	73.35	40°20'51.61"	- 109°57'8.78"	0.00	0.00	73.35	
5100.00	3.73	89.87	5097.66	0.19	79.85	40°20'51.61"	- 109°57'8.70"	0.00	0.00	79.85	
5200.00	3.73	89.87	5197.45	0.20	86.36	40°20'51.61"	- 109°57'8.61"	0.00	0.00	86.36	
5300.00	3.73	89.87	5297.24	0.22	92.87	40°20'51.61"	- 109°57'8.53"	0.00	0.00	92.87	
5400.00	3.73	89.87	5397.03	0.23	99.38	40°20'51.61"	- 109°57'8.44"	0.00	0.00	99.38	
5500.00	3.73	89.87	5496.81	0.25	105.89	40°20'51.61"	- 109°57'8.36"	0.00	0.00	105.89	
5600.00	3.73	89.87	5596.60	0.26	112.39	40°20'51.61"	- 109°57'8.28"	0.00	0.00	112.39	
5600.40	3.73	89.87	5597.00	0.26	112.42	40°20'51.61"	- 109°57'8.28"	0.00	0.00	112.42	Green River (GRRV) :

5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
5700.00	3.73	89.87	5696.39	0.28	118.90	40°20'51.61"	- 109°57'8.19"	0.00	0.00	118.90	
5800.00	3.73	89.87	5796.18	0.30	125.41	40°20'51.61"	- 109°57'8.11"	0.00	0.00	125.41	
5900.00	3.73	89.87	5895.97	0.31	131.92	40°20'51.61"	- 109°57'8.02"	0.00	0.00	131.92	
6000.00	3.73	89.87	5995.75	0.33	138.43	40°20'51.61"	- 109°57'7.94"	0.00	0.00	138.43	
6100.00	3.73	89.87	6095.54	0.34	144.93	40°20'51.61"	- 109°57'7.86"	0.00	0.00	144.93	
6200.00	3.73	89.87	6195.33	0.36	151.44	40°20'51.61"	- 109°57'7.77"	0.00	0.00	151.44	
6300.00	3.73	89.87	6295.12	0.37	157.95	40°20'51.61"	- 109°57'7.69"	0.00	0.00	157.95	
6400.00	3.73	89.87	6394.91	0.39	164.46	40°20'51.61"	- 109°57'7.60"	0.00	0.00	164.46	
6500.00	3.73	89.87	6494.69	0.40	170.97	40°20'51.61"	- 109°57'7.52"	0.00	0.00	170.97	
6600.00	3.73	89.87	6594.48	0.42	177.47	40°20'51.61"	- 109°57'7.43"	0.00	0.00	177.48	
6700.00	3.73	89.87	6694.27	0.43	183.98	40°20'51.61"	- 109°57'7.35"	0.00	0.00	183.98	
6800.00	3.73	89.87	6794.06	0.45	190.49	40°20'51.61"	- 109°57'7.27"	0.00	0.00	190.49	
6900.00	3.73	89.87	6893.85	0.46	197.00	40°20'51.61"	- 109°57'7.18"	0.00	0.00	197.00	
7000.00	3.73	89.87	6993.63	0.48	203.51	40°20'51.61"	- 109°57'7.10"	0.00	0.00	203.51	
7078.53	3.73	89.87	7072.00	0.49	208.62	40°20'51.61"	- 109°57'7.03"	0.00	0.00	208.62	Green River (GRTN1) :
7100.00	3.73	89.87	7093.42	0.49	210.02	40°20'51.61"	- 109°57'7.01"	0.00	0.00	210.02	
7200.00	3.73	89.87	7193.21	0.51	216.52	40°20'51.61"	- 109°57'6.93"	0.00	0.00	216.52	
7300.00	3.73	89.87	7293.00	0.53	223.03	40°20'51.61"	- 109°57'6.85"	0.00	0.00	223.03	
7400.00	3.73	89.87	7392.79	0.54	229.54	40°20'51.61"	- 109°57'6.76"	0.00	0.00	229.54	

5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
7500.00	3.73	89.87	7492.57	0.56	236.05	40°20'51.61"	- 109°57'6.68"	0.00	0.00	236.05	
7600.00	3.73	89.87	7592.36	0.57	242.56	40°20'51.61"	- 109°57'6.59"	0.00	0.00	242.56	
7700.00	3.73	89.87	7692.15	0.59	249.06	40°20'51.61"	- 109°57'6.51"	0.00	0.00	249.06	
7709.87	3.73	89.87	7702.00	0.59	249.71	40°20'51.61"	- 109°57'6.50"	0.00	0.00	249.71	Mahogany Bench :
7800.00	3.73	89.87	7791.94	0.60	255.57	40°20'51.61"	- 109°57'6.43"	0.00	0.00	255.57	
7900.00	3.73	89.87	7891.73	0.62	262.08	40°20'51.61"	- 109°57'6.34"	0.00	0.00	262.08	
8000.00	3.73	89.87	7991.51	0.63	268.59	40°20'51.61"	- 109°57'6.26"	0.00	0.00	268.59	
8100.00	3.73	89.87	8091.30	0.65	275.10	40°20'51.61"	- 109°57'6.17"	0.00	0.00	275.10	
8200.00	3.73	89.87	8191.09	0.66	281.60	40°20'51.61"	- 109°57'6.09"	0.00	0.00	281.61	
8300.00	3.73	89.87	8290.88	0.68	288.11	40°20'51.61"	- 109°57'6.01"	0.00	0.00	288.11	
8400.00	3.73	89.87	8390.67	0.69	294.62	40°20'51.61"	- 109°57'5.92"	0.00	0.00	294.62	
8500.00	3.73	89.87	8490.45	0.71	301.13	40°20'51.61"	- 109°57'5.84"	0.00	0.00	301.13	
8510.99	3.73	89.87	8501.42	0.71	301.84	40°20'51.61"	- 109°57'5.83"	0.00	0.00	301.85	BEGIN DROP @ 1.5°/100'
8600.00	2.40	89.87	8590.30	0.72	306.60	40°20'51.61"	- 109°57'5.77"	1.50	180.00	306.60	
8700.00	0.90	89.87	8690.26	0.73	309.47	40°20'51.61"	- 109°57'5.73"	1.50	180.00	309.48	
8759.76	0.00	0.00	8750.01	0.73	309.94	40°20'51.61"	- 109°57'5.72"	1.50	180.00	309.94	END DROP
8800.00	0.00	0.00	8790.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
8821.74	0.00	0.00	8812.00	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	Lower Green River (TGR3) :
8900.00	0.00	0.00	8890.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	

5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
9000.00	0.00	0.00	8990.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
9100.00	0.00	0.00	9090.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
9200.00	0.00	0.00	9190.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
9300.00	0.00	0.00	9290.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
9400.00	0.00	0.00	9390.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
9500.00	0.00	0.00	9490.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
9600.00	0.00	0.00	9590.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
9700.00	0.00	0.00	9690.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
9800.00	0.00	0.00	9790.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
9816.74	0.00	0.00	9807.00	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	Wasatch (W090TU2) :
9900.00	0.00	0.00	9890.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
10000.00	0.00	0.00	9990.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
10009.74	0.00	0.00	10000.00	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	7 in
10100.00	0.00	0.00	10090.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
10200.00	0.00	0.00	10190.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
10300.00	0.00	0.00	10290.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
10400.00	0.00	0.00	10390.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
10500.00	0.00	0.00	10490.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
10600.00	0.00	0.00	10590.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	

5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
10700.00	0.00	0.00	10690.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
10800.00	0.00	0.00	10790.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
10900.00	0.00	0.00	10890.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
11000.00	0.00	0.00	10990.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
11100.00	0.00	0.00	11090.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
11200.00	0.00	0.00	11190.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
11300.00	0.00	0.00	11290.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
11400.00	0.00	0.00	11390.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
11500.00	0.00	0.00	11490.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
11600.00	0.00	0.00	11590.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
11700.00	0.00	0.00	11690.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
11800.00	0.00	0.00	11790.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
11900.00	0.00	0.00	11890.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
12000.00	0.00	0.00	11990.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
12100.00	0.00	0.00	12090.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
12200.00	0.00	0.00	12190.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
12300.00	0.00	0.00	12290.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
12400.00	0.00	0.00	12390.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
12500.00	0.00	0.00	12490.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	

5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
12600.00	0.00	0.00	12590.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
12700.00	0.00	0.00	12690.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
12800.00	0.00	0.00	12790.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
12900.00	0.00	0.00	12890.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
13000.00	0.00	0.00	12990.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
13100.00	0.00	0.00	13090.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
13200.00	0.00	0.00	13190.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
13300.00	0.00	0.00	13290.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
13400.00	0.00	0.00	13390.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
13500.00	0.00	0.00	13490.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
13600.00	0.00	0.00	13590.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
13700.00	0.00	0.00	13690.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
13800.00	0.00	0.00	13790.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
13900.00	0.00	0.00	13890.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
14000.00	0.00	0.00	13990.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
14100.00	0.00	0.00	14090.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
14200.00	0.00	0.00	14190.26	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	
14209.74	0.00	0.00	14200.00	0.73	309.94	40°20'51.61"	- 109°57'5.72"	0.00	0.00	309.94	TD @ 14209.74' MD; 5 in

5D Plan Report

Formation Points (Relative to Slot centre, TVD relative to Drill Floor)								
Name	MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	F.Dip (°)	F.Dir (°)
Green River (GRRV)	5600.40	3.73	89.87	5597.00	0.26	112.42	0	0
Green River (GRTN1)	7078.53	3.73	89.87	7072.00	0.49	208.62	0	0
Mahogany Bench	7709.87	3.73	89.87	7702.00	0.59	249.71	0	0
Lower Green River (TGR3)	8821.74	0.00	0.00	8812.00	0.73	309.94	0	0
Wasatch (W090TU2)	9816.74	0.00	0.00	9807.00	0.73	309.94	0	0

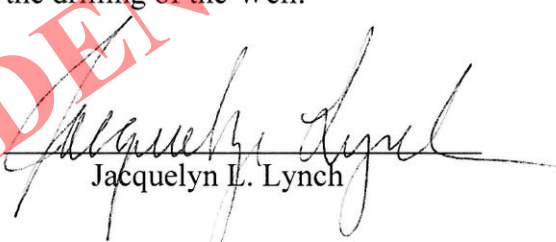
CONFIDENTIAL

AFFIDAVIT OF DAMAGE SETTLEMENT AND RELEASE

Jacquelyn L. Lynch personally appeared before me, and, being duly sworn, deposes and says:

1. My name is Jacquelyn L. Lynch. I am a Landman for EP Energy E&P Company, L.P., whose address is 1001 Louisiana St., Houston, Texas 77002 ("EP Energy").
2. EP Energy is the operator of the proposed Young 3-36A1 well (the "Well") to be located in the SW/4SW/4 of Section 36, Township 1 South, Range 1 West, USM, Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Richard E. Young & Teresa W. Young, husband and wife, whose address is Route 4 Box 4688, Roosevelt, UT 84066 (collectively, the "Surface Owner"). The Surface Owner's telephone number is (801) 854-8546.
3. EP Energy and the Surface Owner have entered into a Damage Settlement and Release Agreement dated November 14, 2014, to cover any and all injuries or damages of every character and description sustained by the Surface Owner or Surface Owner's property as a result of operations associated with the drilling of the Well.

FURTHER AFFIANT SAYETH NOT.


Jacquelyn L. Lynch

ACKNOWLEDGMENT

STATE OF TEXAS

§

§

COUNTY OF HARRIS

§

Sworn to and subscribed before me on this 17th day of November, 2014, by Jacquelyn L. Lynch, as Landman for EP Energy E&P Company, L.P., a Delaware limited partnership.


NOTARY PUBLIC

My Commission Expires:



EP Energy E&P Company, L.P.

Related Surface Information

1. **Current Surface Use:**

- Livestock Grazing and Oil and Gas Production.

2. **Proposed Surface Disturbance:**

- The road will be crown and ditch. Water wings will be constructed on the access road as needed.
- The topsoil will be windrowed and re-spread in the borrow area.
- New road to be constructed will be approximately .02 miles in length and 66 feet wide.
- All equipment and vehicles will be confined to the access road, pad and area specified in the APD.

3. **Location Of Existing Wells:**

- Existing oil, gas wells within one (1) mile radius of proposed well are provided in EXHIBIT C.

4. **Location And Type Of Drilling Water Supply:**

- Drilling water: Roosevelt City Water/Ballard City Water

5. **Existing/Proposed Facilities For Productive Well:**

- There are no existing facilities that will be utilized for this well.
- A pipeline corridor is not known at this time. The corridor will contain one 4 inch gas line and one 2 inch gas line and one 2 inch Salt Water disposal line. Rehabilitation of unneeded, previously disturbed areas will consist of backfilling and contouring the reserve pit area; backfilling and contouring all cut and fill slopes. These areas will be reseeded. Refer to plans for reclamation of surface for details.
- Upgrade and maintain access roads and drainage control structures (e.g., culverts, drainage dips, ditching, etc.) as necessary to prevent soil erosion and accommodate safe, year-round traffic.

6. **Construction Materials:**

- Native soil from road and location will be used for construction materials along with gravel and/or scoria road base material. In the event that conditions should necessitate graveling of all or part of the access road and location, surfacing materials will be purchased from commercial suppliers in the marketing area.

7. **Methods For Handling Waste Disposal:**

- The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of ½ the total depth below the original ground surface on the lowest point with the pit. The pit will be lined with a 20-mil polyethylene to prevent leakage of fluids. The liner will be rolled into place and secured at the ends, i.e. buried on top of the pit berms. Prior to use, the reserve pit will be fenced on three sides; the fourth side will be fenced at the time the rig is removed. Drilling fluids, cuttings and produced water will be contained in the reserve pit (trash will be placed in the trash cage). Fluids in the reserve pit will be allowed to evaporate prior to pit burial.
- Garbage and other trash will be contained in the portable trash cage and hauled off the location to an authorized disposal site. Any trash on the pad will be cleaned up prior to the rig moving off location and hauled to an authorized disposal site.
- Sewage will be handled in Portable Toilets.
- Produced water will be placed in the reserve pit for a period not to exceed ninety days after initial production. Any hydrocarbons produced during completion work will be contained in test tanks and removed from the location at a later date.
- Water from the reserve pit may be used for drilling of additional wells. The water will be trucked along access roads as approved in pertinent APD's

8. **Ancillary Facilities:**

- There will be no ancillary facilities associated with this project.

9. **Surface Reclamation Plans:**

Backfilling of the pits will be done when dry. In the event of a dry hole, the location will be re-contoured, the topsoil will be distributed evenly over the entire location, and the seedbed prepared.

- Seed will be planted after September 15th, and prior to ground frost, or seed will be planted after the frost has left and before May 15th. Slopes to steep for machinery will be hand broadcast and raked with twice the specified amount of seed.
 1. The construction program and design are on the attached cut, fill and cross sectional diagrams.
 2. Prior to construction, all topsoil will be removed from the entire site and stockpiled. Topsoil for this site is the first 6 inches of soil materials.
 3. After the location has been reshaped and after redistributing the topsoil, the operator will rip and scarify the drilling platform and access road on the contour, to a depth of at least 12 inches.
- Rehabilitation will begin upon the completion of the drilling. Complete rehabilitation will depend on weather conditions and the amount of time required to dry the reserve pit.
 1. All rehabilitation work including seeding will be completed as soon as weather and the reserve pit conditions are appropriate.
 2. Landowner will be contacted for rehabilitation requirements.

10. **Surface Ownership:**

Richard E. Young and Teresa W. Young
Rt. 4 Box 4688
Roosevelt, Utah 84066

Other Information:

- The surface soil consists of clay, and silt.
- Flora – vegetation consists of the following: Sagebrush, Juniper and prairie grasses.
- Fauna – antelope, deer, coyotes, raptors, small mammals, and domestic grazing animals.
- Current surface uses – Livestock grazing and mineral exploration and production.

• **Operator and Contact Persons:**

Construction and Reclamation:

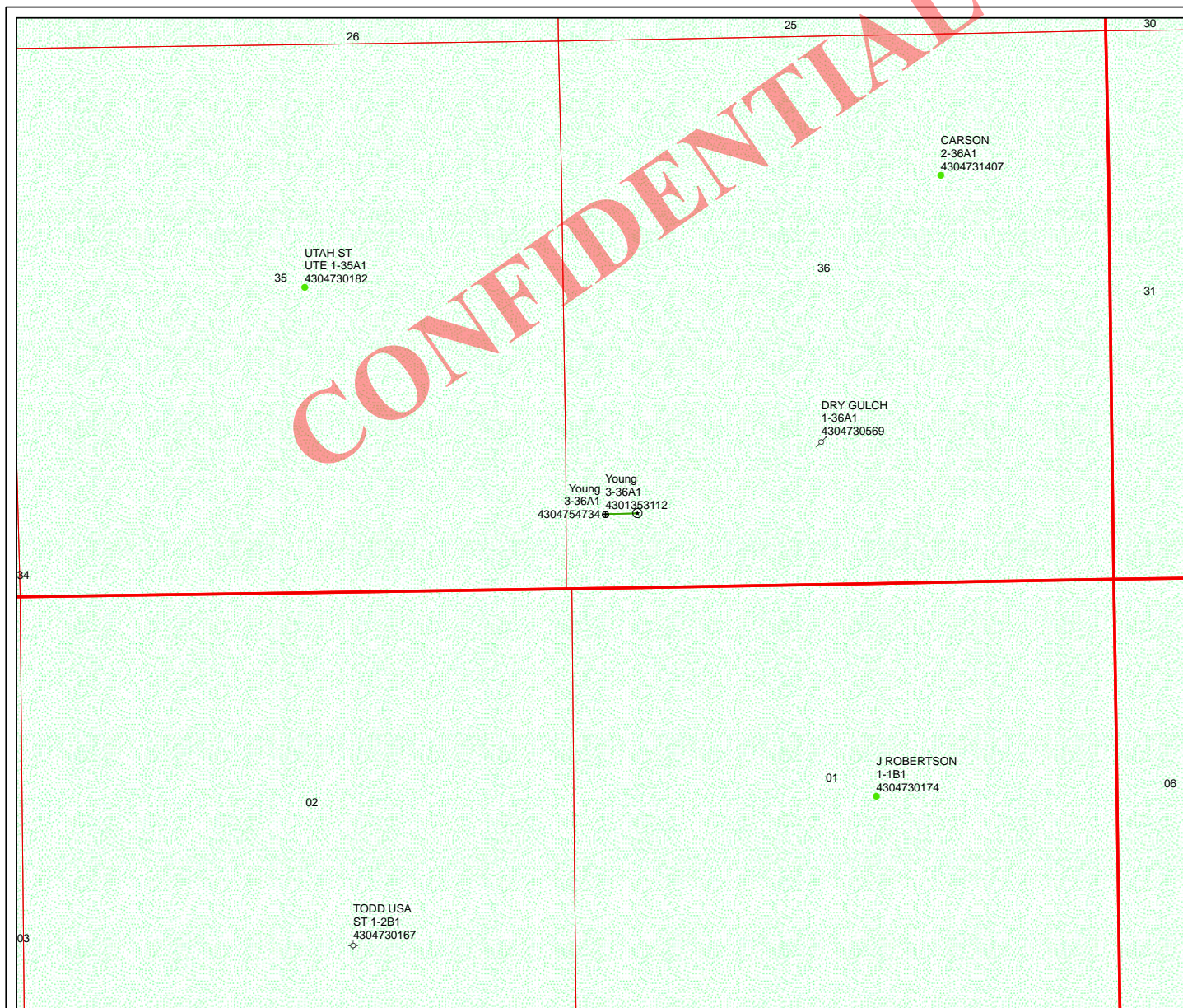
EP Energy E&P Company, L.P.
Wayne Garner
PO Box 410
Altamont, Utah 84001
435-454-3394 – Office
435-823-1490 – Cell

Regarding This APD

EP Energy E&P Company, L.P.
Maria S. Gomez
1001 Louisiana, Rm 2730D
Houston, Texas 77002
713-997-5038 – Office

Drilling

EP Energy E&P Company, L.P.
Brad MacAfee – Drilling Engineer
1001 Louisiana, Rm 2660D
Houston, Texas 77002
713-997-6383 – office
281-813-0902 – Cell



API Number: 4304754734

Well Name: Young 3-36A1

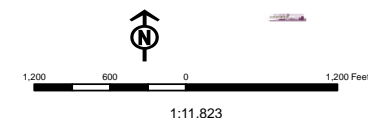
Township: T01.0S Range: R01.0W Section: 36 Meridian: U

Operator: EP ENERGY E&P COMPANY, L.P.

Map Prepared: 9/10/2014
Map Produced by Diana Mason

Wells Query		Units	
Status		STATUS	
APD - Approved Permit		ACTIVE	
DRL - Spudded (Drilling Commenced)		EXPLORATORY	
GRW - Gas Injection		GAS STORAGE	
GS - Gas Storage		NF PP OIL	
LOC - New Location		NF SECONDARY	
OPS - Operation Suspended		PI OIL	
PA - Plugged Abandoned		PP GAS	
PGW - Producing Gas Well		PP GEOTHERML	
PQW - Producing Oil Well		PP OIL	
SGW - Shut-in Gas Well		SECONDARY	
SOW - Shut-in Oil Well		TERMINATED	
TA - Temp. Abandoned			
TW - Test Well			
WDW - Water Disposal			
WW - Water Injection Well			
WSW - Water Supply Well			

Fields	
STATUS	
Unknown	
ABANDONED	
ACTIVE	
COMBINED	
INACTIVE	
STORAGE	
TERMINATED	



Well Name	EP ENERGY E&P COMPANY, L.P. Young 3-36A1 43047547340000			
String	Cond	Surf	I1	L1
Casing Size(in)	13.375	9.625	7.000	5.000
Setting Depth (TVD)	850	3500	10010	14200
Previous Shoe Setting Depth (TVD)	0	850	3500	10010
Max Mud Weight (ppg)	10.5	10.5	10.1	14.5
BOPE Proposed (psi)	500	1000	10000	10000
Casing Internal Yield (psi)	2730	5750	11220	13940
Operators Max Anticipated Pressure (psi)	10707			14.5

Calculations	Cond String	13.375	"
Max BHP (psi)	.052*Setting Depth*MW=	464	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	362	YES <input type="checkbox"/> diverter stack
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	277	YES <input type="checkbox"/> OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	277	NO <input type="checkbox"/> OK <input type="checkbox"/>
Required Casing/BOPE Test Pressure=		850	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

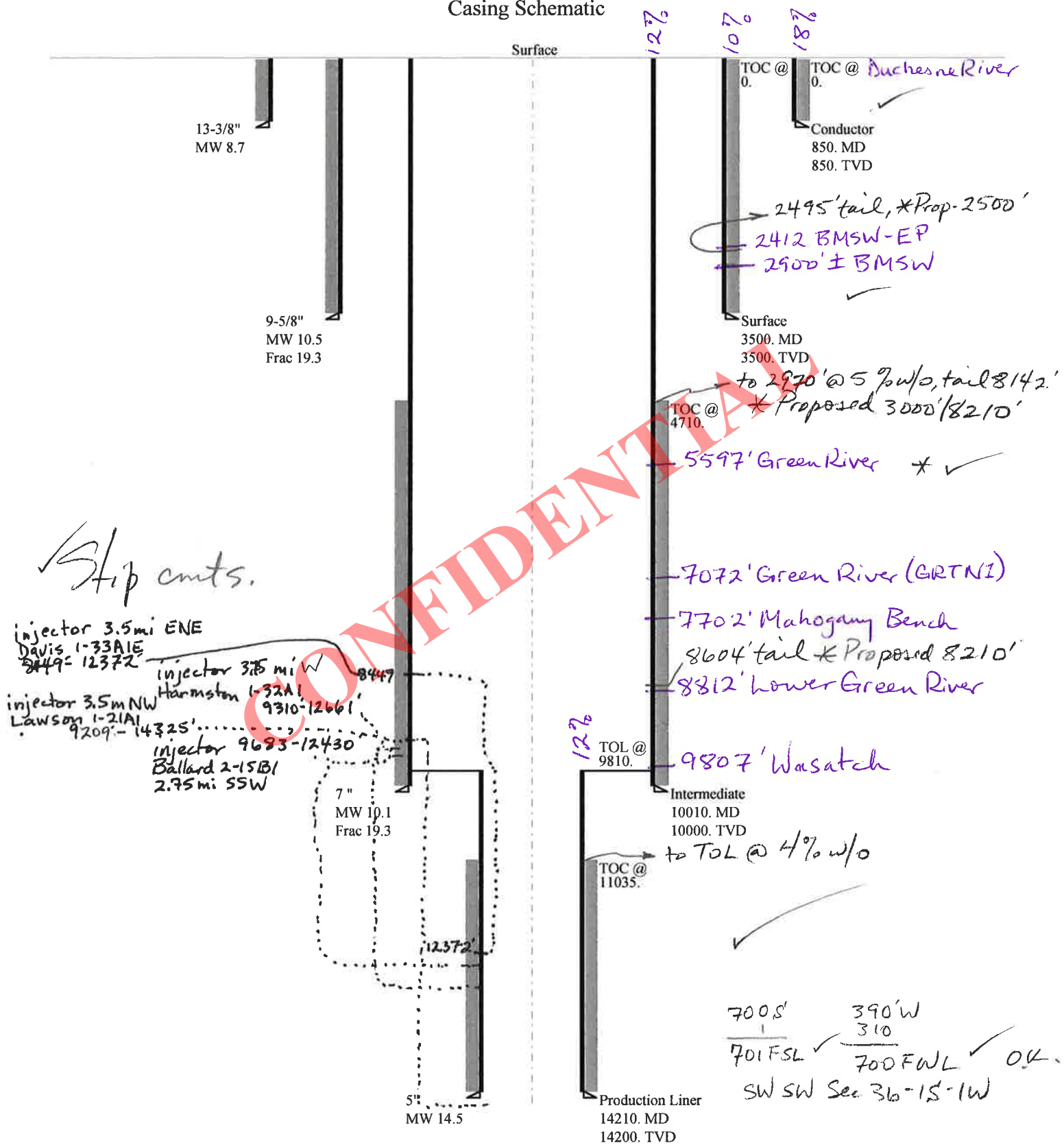
Calculations	Surf String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	1911	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1491	NO <input type="checkbox"/> diverter stack with rotating head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1141	NO <input type="checkbox"/> OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1328	NO <input type="checkbox"/> OK <input type="checkbox"/>
Required Casing/BOPE Test Pressure=		3500	psi
*Max Pressure Allowed @ Previous Casing Shoe=		850	psi *Assumes 1psi/ft frac gradient

Calculations	I1 String	7.000	"
Max BHP (psi)	.052*Setting Depth*MW=	5257	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	4056	YES <input type="checkbox"/> 10M BOPE w/rotating head, spacer spool, 5M annular,
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	3055	YES <input type="checkbox"/> dbl rams, single w/flex rams
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3825	NO <input type="checkbox"/> OK <input type="checkbox"/>
Required Casing/BOPE Test Pressure=		7854	psi
*Max Pressure Allowed @ Previous Casing Shoe=		3500	psi *Assumes 1psi/ft frac gradient

Calculations	L1 String	5.000	"
Max BHP (psi)	.052*Setting Depth*MW=	10707	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	9003	YES <input type="checkbox"/> 10M BOPE w/rotating head, spacer spool, 5M annular,
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	7583	YES <input type="checkbox"/> dbl rams, single w/flex rams
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	9785	YES <input type="checkbox"/> OK <input type="checkbox"/>
Required Casing/BOPE Test Pressure=		9758	psi
*Max Pressure Allowed @ Previous Casing Shoe=		10010	psi *Assumes 1psi/ft frac gradient

43047547340000 Young 3-36A1

Casing Schematic



Well name:	43047547340000 Young 3-36A1		
Operator:	EP ENERGY E&P COMPANY, LP.		
String type:	Conductor	Project ID:	43-013-54734
Location:	DUCHESNE COUNTY		

Design parameters:**Collapse**

Mud weight: 8.700 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 86 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 282 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 384 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.
Neutral point: 741 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	850	13.375	54.50	J-55	ST&C	850	850	12.49	10547
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	384	1130	2.942	384	2730	7.11	40.4	514	12.73 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: November 5, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 850 ft, a mud weight of 8.7 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43047547340000 Young 3-36A1		
Operator:	EP ENERGY E&P COMPANY, LP.		
String type:	Surface	Project ID:	43-013-54734
Location:	DUCHESNE COUNTY		

Design parameters:**Collapse**

Mud weight: 10.500 ppg
Internal fluid density: 0.650 ppg

Minimum design factors:**Collapse:**

Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 123 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Burst:

Design factor 1.00

Cement top: Surface

Burst

Max anticipated surface pressure: 3,080 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 3,500 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Non-directional string.**Re subsequent strings:**

Next setting depth: 10,000 ft
Next mud weight: 10.100 ppg
Next setting BHP: 5,247 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 3,500 ft
Injection pressure: 3,500 psi

Tension is based on buoyed weight.
Neutral point: 2,956 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	3500	9.625	36.00	J-55	ST&C	3500	3500	8.796	30423

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1791	2020	1.128	3500	3520	1.01	106.4	394	3.70 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: November 5, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 3500 ft, a mud weight of 10.5 ppg. An internal gradient of .034 psi/ft was used for collapse from TD. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	43047547340000 Young 3-36A1	
Operator:	EP ENERGY E&P COMPANY, LP.	
String type:	Intermediate	Project ID: 43-013-54734
Location:	DUCHESNE COUNTY	

Design parameters:**Collapse**

Mud weight: 10.100 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 214 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 4,710 ft

Burst

Max anticipated surface pressure: 7,541 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 9,741 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on buoyed weight.
Neutral point: 8,481 ft

Directional Info - Build & Drop

Kick-off point: 3500 ft
Departure at shoe: 310 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 0 °

Re subsequent strings:

Next setting depth: 14,142 ft
Next mud weight: 14.500 ppg
Next setting BHP: 10,653 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 9,942 ft
Injection pressure: 9,942 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	10010	7	29.00	HCP-110	LT&C	10000	10010	6.059	113039
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	5247	9200	1.753	9741	11220	1.15	245.7	797	3.24 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: November 5, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 10000 ft, a mud weight of 10.1 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Well name:	43047547340000 Young 3-36A1		
Operator:	EP ENERGY E&P COMPANY, LP.		
String type:	Production Liner	Project ID:	43-013-54734
Location:	DUCHESNE COUNTY		

Design parameters:**Collapse**

Mud weight: 14.500 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 273 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 11,035 ft

Burst

Max anticipated surface pressure: 7,572 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 10,696 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on buoyed weight.
Neutral point: 13,237 ft

Liner top: 9,810 ft

Directional Info - Build & Drop

Kick-off point: 3500 ft
Departure at shoe: 310 ft
Maximum dogleg: 0 °/100ft
Inclination at shoe: 0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	4410	5	18.00	HCP-110	ST-L	14200	14210	4.151	349272
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	10696	15360	1.436	10696	13940	1.30	61.9	341	5.51 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: November 5, 2014
Salt Lake City, Utah

Remarks:

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 14200 ft, a mud weight of 14.5 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

ON-SITE PREDRILL EVALUATION**Utah Division of Oil, Gas and Mining**

Operator EP ENERGY E&P COMPANY, L.P.
Well Name Young 3-36A1
API Number 43047547340000 **APD No** 10260 **Field/Unit** BLUEBELL
Location: 1/4,1/4 SWSW Sec 36 Tw 1.0S Rng 1.0W 700 FSL 390 FWL
GPS Coord (UTM) 588934 4466872 **Surface Owner** Robert E. and Teresa W. Young

Participants

Heather Ivie, Rebecca Ivie, Randy Frederick - Ep Energy; Rick and Terri Young - landowner

Regional/Local Setting & Topography

This location was contested by the landowners and an SUA had not been signed. Further visits and compromises were made to relocate the wells surface location west to the section line and rotate pad clockwise 45 + degrees to orient the reserve pit toward the center of the 40. operator will submit a sundry notice with the changes.

This location is in Montes Hollow below the Nephi Bench on the outskirts of Ballard in Uintah County.

The immediate area is flat and is fallow agricultural land bounded by higher benches on both the south (Nephi) and north (Blackhawk) formed by an historic floodplain. There is a small butte found on the west side of the 40. The Montes creek reservoir is found within the one mile radius of the well to the Northeast.

The adjacent lands are a high desert salt brush ecosysstem and the soils are high in lean clay There exisits an overhead utility (power) line along the county road and the south side of the pad

Surface Use Plan

Current Surface Use
Agricultural

New Road Miles	Well Pad	Src Const Material	Surface Formation
0	Width 300 Length 400	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate?**Environmental Parameters**

Affected Floodplains and/or Wetlands Y

Flora / Fauna

adjacent High desert shrubland ecosystem. Expected vegetation consists of sagebrush, globemallow, evening primrose, Atriplex spp., mustard spp, rabbit brush, horsebrush, broom snakeweed, Opuntia spp and spring annuals. Although the pad is on fallow cultivated land

Dominant vegetation;
weeds

Wildlife;

Disturbed and cultivated soils are not habitat for wildlife although many species may frequent.

Soil Type and Characteristics

lean clays

Erosion Issues N**Sedimentation Issues** N**Site Stability Issues** N**Drainage Diversion Required?** N**Berm Required?** Y**Erosion Sedimentation Control Required?** N

Paleo Survey Run? N **Paleo Potential Observed?** N **Cultural Survey Run?** N **Cultural Resources?** N

Reserve Pit**Site-Specific Factors****Site Ranking**

Distance to Groundwater (feet) 25 to 75 15

Distance to Surface Water (feet) >1000 0

Dist. Nearest Municipal Well (ft) 500 to 1320 10

Distance to Other Wells (feet) 300 to 1320 10

Native Soil Type Mod permeability 10

Fluid Type Fresh Water 5

Drill Cuttings Normal Rock 0

Annual Precipitation (inches) 0

Affected Populations

Presence Nearby Utility Conduits Present 15

Final Score 65 1 Sensitivity Level

Characteristics / Requirements

A 133' x 110' reserve pit is planned in an area of cut on the east side of the location. A pit liner is required. Operator commonly uses a 16 mil liner with a felt underliner. Pit should be fenced to prevent entry by deer, other wildlife and domestic animals. A minimum freeboard of two feet shall be maintained at all times. Pit to be closed within one year after drilling activities are complete.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

Other Observations / Comments

API Well Number: 43047547340000

Agreed the location could be moved to the west mitigating some disturbance to economic activities of the surface owner. We were shown a few acceptable locations the Youngs would allow as a compromise and EP Energy chose one ranked by the Youngs as #3

Chris Jensen
Evaluator

9/15/2014
Date / Time

CONFIDENTIAL

RECEIVED: November 24, 2014

Application for Permit to Drill

Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
10260	43047547340000	LOCKED	OW	P	No
Operator	EP ENERGY E&P COMPANY, L.P.		Surface Owner-APD	Robert E. and Teresa W. Young	
Well Name	Young 3-36A1		Unit		
Field	BLUEBELL		Type of Work	DRILL	
Location	SWSW 36 1S 1W U 700 FSL (UTM) 588939E 4466870N		390 FWL GPS Coord		

Geologic Statement of Basis

EP proposes to set 800 feet of conductor and 3,400 feet of surface casing both of which will be cemented to surface. The surface and intermediate holes will be drilled utilizing fresh water mud. The estimated depth to the base of moderately saline ground water is 2,900 feet. A search of Division of Water Rights records indicates that there are over 30 water wells within a 10,000 foot radius of the center of Section 36. Wells range in depth from 22 to 600 feet. No depth is listed for 2 wells. Listed use is domestic, irrigation and stock watering. The wells in this area probably produce water from the Duchesne River Formation and associated alluvium. The proposed casing and cement program should adequately protect the highly used Duchesne River aquifer.

Brad Hill
APD Evaluator

10/2/2014
Date / Time

Surface Statement of Basis

Location is proposed in the best location all could agree upon although outside the spacing window. Well will be drilled directionally. Access road enters the pad from the south. The landowner or its representative was in attendance for the pre-site inspection.

The soil type and topography at present do not combine to pose a significant threat to erosion or sediment/ pollution transport in these regional climate conditions.

Usual construction standards of the Operator appear to be adequate for the proposed purpose as submitted.

I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. A riparian area and associated reservoir can be found north of the site. The location was not previously surveyed for cultural and paleontological resources (as the operator saw fit). I have advised the operator take all measures necessary to comply with NHPA, ESA and MBTA and that actions insure no disturbance to resources that may have not been seen during onsite visit.

The location should be bermed to prevent fluids from entering or leaving the confines of the pad. Fencing around the reserve pit will be necessary to prevent wildlife and livestock from entering. A synthetic liner of 16 mils (minimum) should be utilized in the reserve pit. Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues. Pad will be rotated clockwise to sit parallel the section line and fence and place the reserve pit on the east side to return that portion to the landowners upon reclamation.

Chris Jensen
Onsite Evaluator

9/15/2014
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Drilling	Location needs to be turned 45 degrees.
Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.
Pits	The reserve pit should be located on the east side of the location.
Surface	The well site shall be bermed to prevent fluids from entering or leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

CONFIDENTIAL

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 9/9/2014

API NO. ASSIGNED: 43047547340000

WELL NAME: Young 3-36A1

OPERATOR: EP ENERGY E&P COMPANY, L.P. (N3850)

PHONE NUMBER: 713 997-5038

CONTACT: Maria S. Gomez

PROPOSED LOCATION: SWSW 36 010S 010W

Permit Tech Review: ☒

SURFACE: 0700 FSL 0390 FWL

Engineering Review: ☒

BOTTOM: 0700 FSL 0700 FWL

Geology Review: ☒

COUNTY: UINTAH

LATITUDE: 40.34764

LONGITUDE: -109.95275

UTM SURF EASTINGS: 588939.00

NORTHINGS: 4466870.00

FIELD NAME: BLUEBELL

LEASE TYPE: 4 - Fee

LEASE NUMBER: Fee

PROPOSED PRODUCING FORMATION(S): GREEN RIVER(LWR)-WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

☒ PLAT☒ Bond: STATE - 400JU0708☐ Potash☐ Oil Shale 190-5☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Water Permit: Roosevelt City/Ballard City☐ RDCC Review:☒ Fee Surface Agreement☐ Intent to Commingle

Commingle Approved

LOCATION AND SITING:

☐ R649-2-3.

Unit:

☐ R649-3-2. General☐ R649-3-3. Exception☒ Drilling Unit

Board Cause No: Cause 139-84

Effective Date: 12/31/2008

Siting: 4 Wells Per 640 Acres

☒ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill
8 - Cement to Surface -- 2 strings - hmadonald
12 - Cement Volume (3) - hmadonald
15 - Directional - dmason

RECEIVED: November 24, 2014



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Young 3-36A1

API Well Number: 43047547340000

Lease Number: Fee

Surface Owner: FEE (PRIVATE)

Approval Date: 11/24/2014

Issued to:

EP ENERGY E&P COMPANY, L.P., 1001 Louisiana, Houston, TX 77002

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-84. The expected producing formation or pool is the GREEN RIVER(LWR)-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Cement volumes for the 13 3/8" and 9 5/8" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface.

Cement volume for the 7" intermediate string shall be determined from actual hole diameter in order to place lead cement from the pipe setting depth back to 500' inside surface shoe and tail cement to 500' above Lower Green River as indicated in the submitted drilling plan.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
- contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

Approved By:

A handwritten signature in black ink, appearing to read "J. Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002		8. WELL NAME and NUMBER: Young 3-36A1
PHONE NUMBER: 713 997-5038 Ext		9. API NUMBER: 43047547340000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0778 FSL 0224 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 36 Township: 01.0S Range: 01.0W Meridian: U		9. FIELD and POOL or WILDCAT: BLUEBELL
		COUNTY: UINTAH
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/24/2014	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input style="width: 100px;" type="text"/>

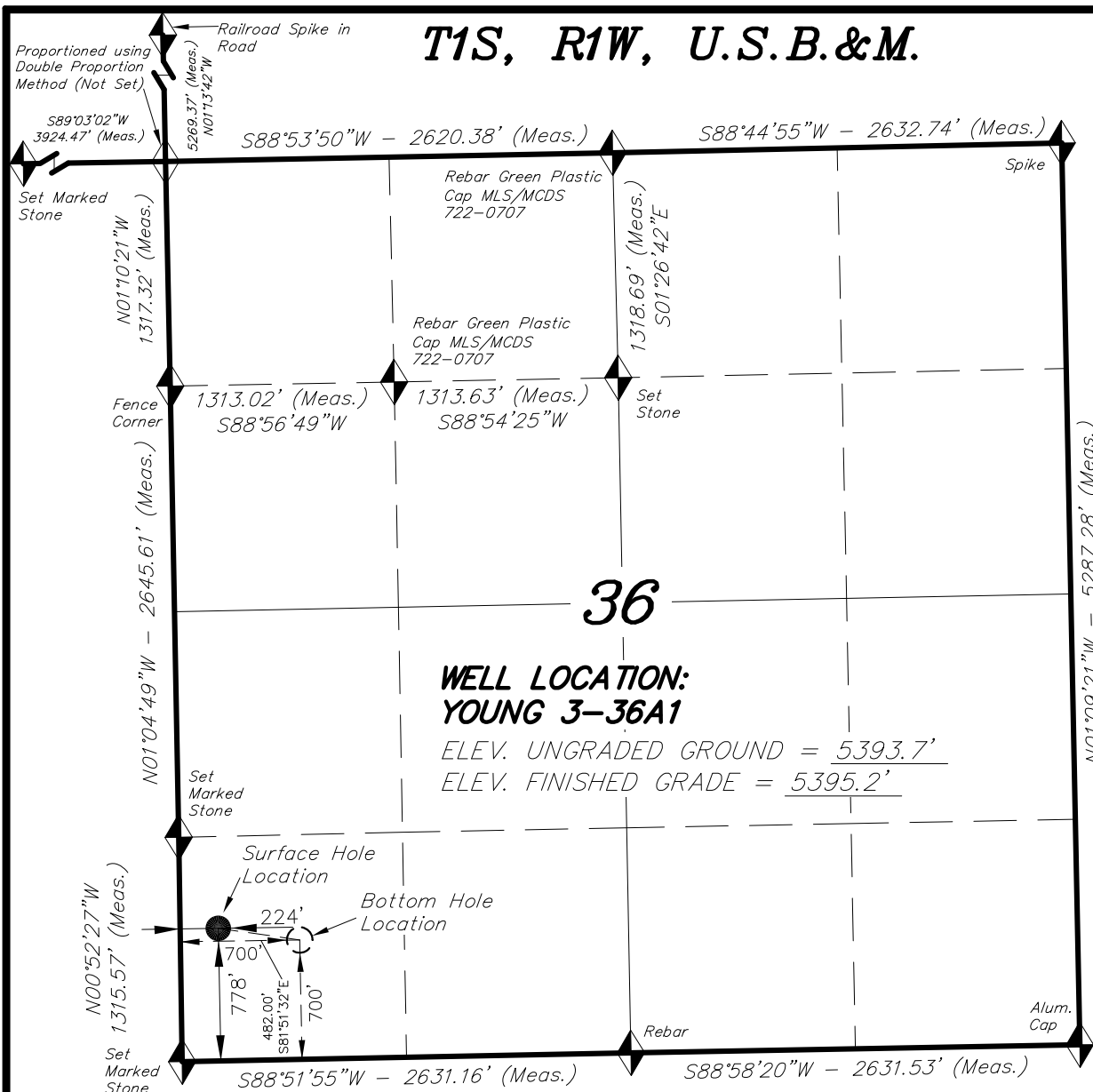
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Location changed due to landowners request and concurrence from UDOGM.

Approved by the
November 25, 2014
Oil, Gas and Mining

Date: _____
By:

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst
SIGNATURE N/A	DATE 11/24/2014	

T1S, R1W, U.S.B.&M.**EP ENERGY E&P COMPANY, L.P.**

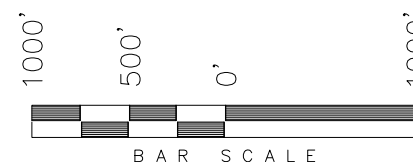
◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°17'45.87" LONG. 110°23'30.60" (Tristate Aluminum Cap) NAD 83 Elev. 6604.28'

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 40°20'52.37" (40.347880°)
LONGITUDE = 109°57'11.87" (109.953297°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 40°20'52.52" (40.347922°)
LONGITUDE = 109°57'09.33" (109.952592°)
NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°20'51.61" (40.347670°)
LONGITUDE = 109°57'05.72" (109.951590°)
NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 40°20'51.76" (40.347712°)
LONGITUDE = 109°57'03.19" (109.950885°)

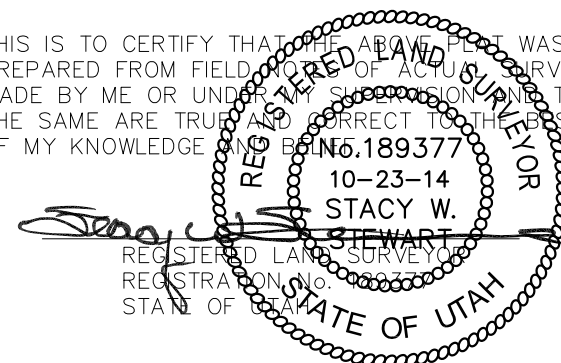
WELL LOCATION, YOUNG 3-36A1, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION 36, T1S, R1W, U.S.B.&M. UTAH COUNTY, UTAH.

TARGET BOTTOM HOLE, YOUNG 3-36A1, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION 36, T1S, R1W, U.S.B.&M. UTAH COUNTY, UTAH.

**NOTES:**

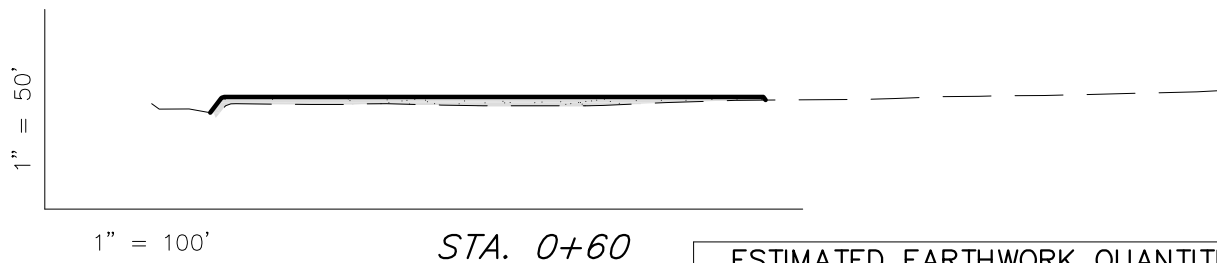
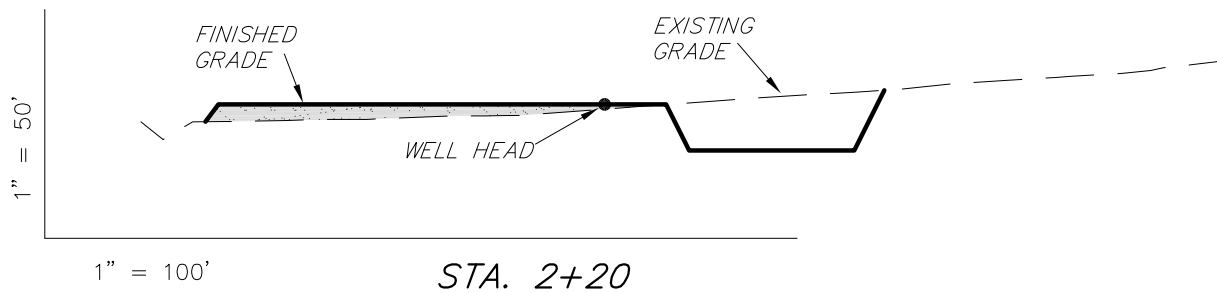
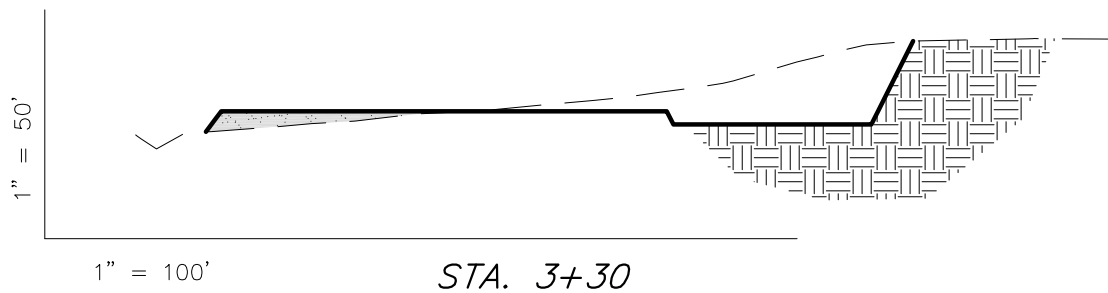
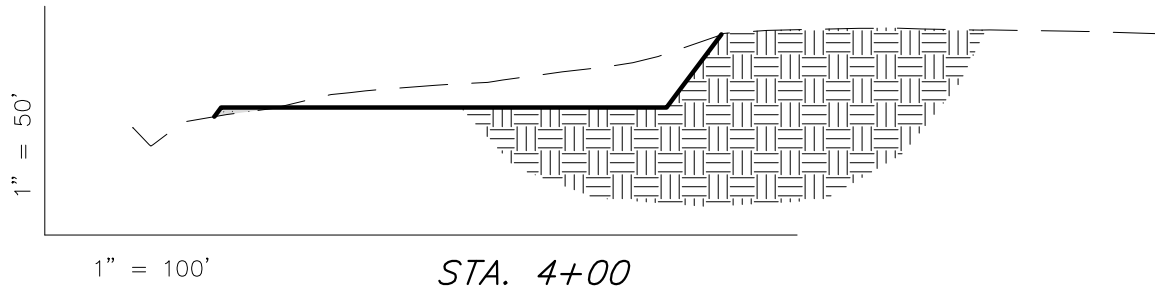
1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 07-21-14	SURVEYED BY: C.S.
DATE DRAWN: 07-22-14	DRAWN BY: L.K.
REVISED: 10-23-14 L.K.	SCALE: 1" = 1000'

EP ENERGY E&P COMPANY, L.P.**FIGURE #2*****CROSS SECTIONS******YOUNG 3-36A1****Pad Location: SWSW Section 36, T1S, R1W, U.S.B.&M.*

NOTE:
UNLESS OTHERWISE
NOTED ALL CUT/FILL
SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	8,330	8,330	Topsoil is not included in Pad Cut Volume	0
PIT	5,600	0		5,600
TOTALS	13,930	8,330	2,850	5,600

SURVEYED BY: K.G.S. DATE SURVEYED: 10-10-14
 DRAWN BY: L.K. DATE DRAWN: 10-14-14
 SCALE: 1" = 100' REVISED: L.K. 10-23-14

Tri State (435) 781-2501
Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: Nov. 24, 2014

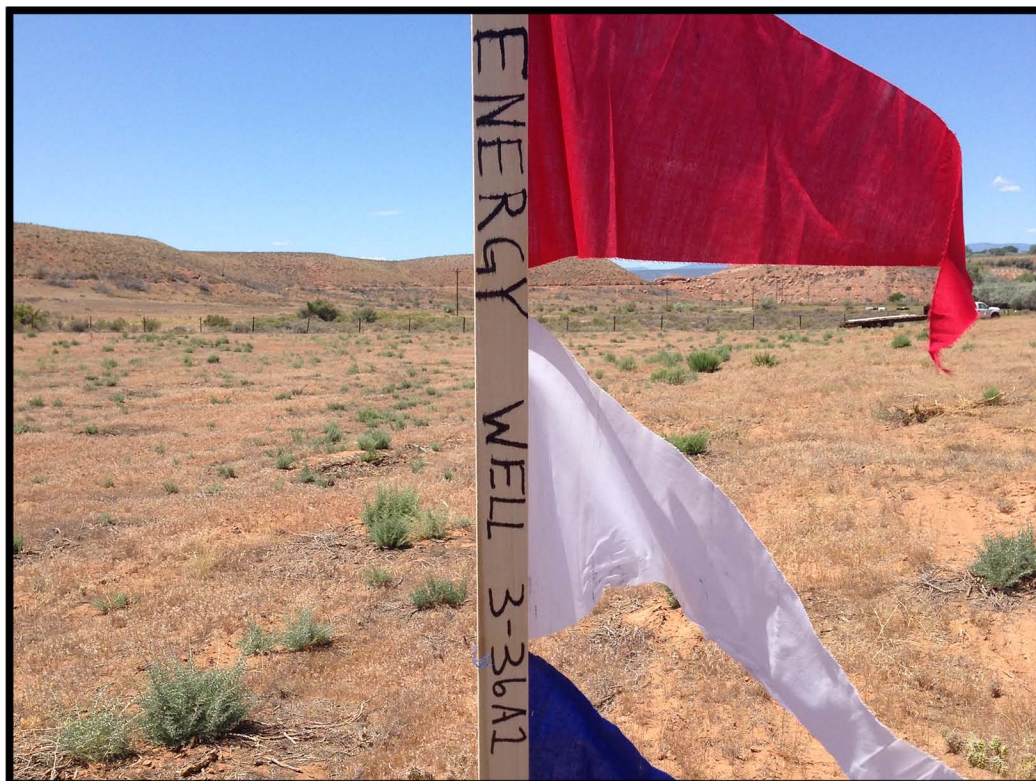
Location Photos

Center Stake

Looking Northwesterly

Date Photographed: 07-21-14

Photographed By : C.S.



Access

Looking Northerly

Date Photographed: 07-21-14

Photographed By : C.S.



**Tri State
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518

DRAWN BY: A.P.C. REVISED: 10-23-14 A.P.C.
DATE: 07-24-14

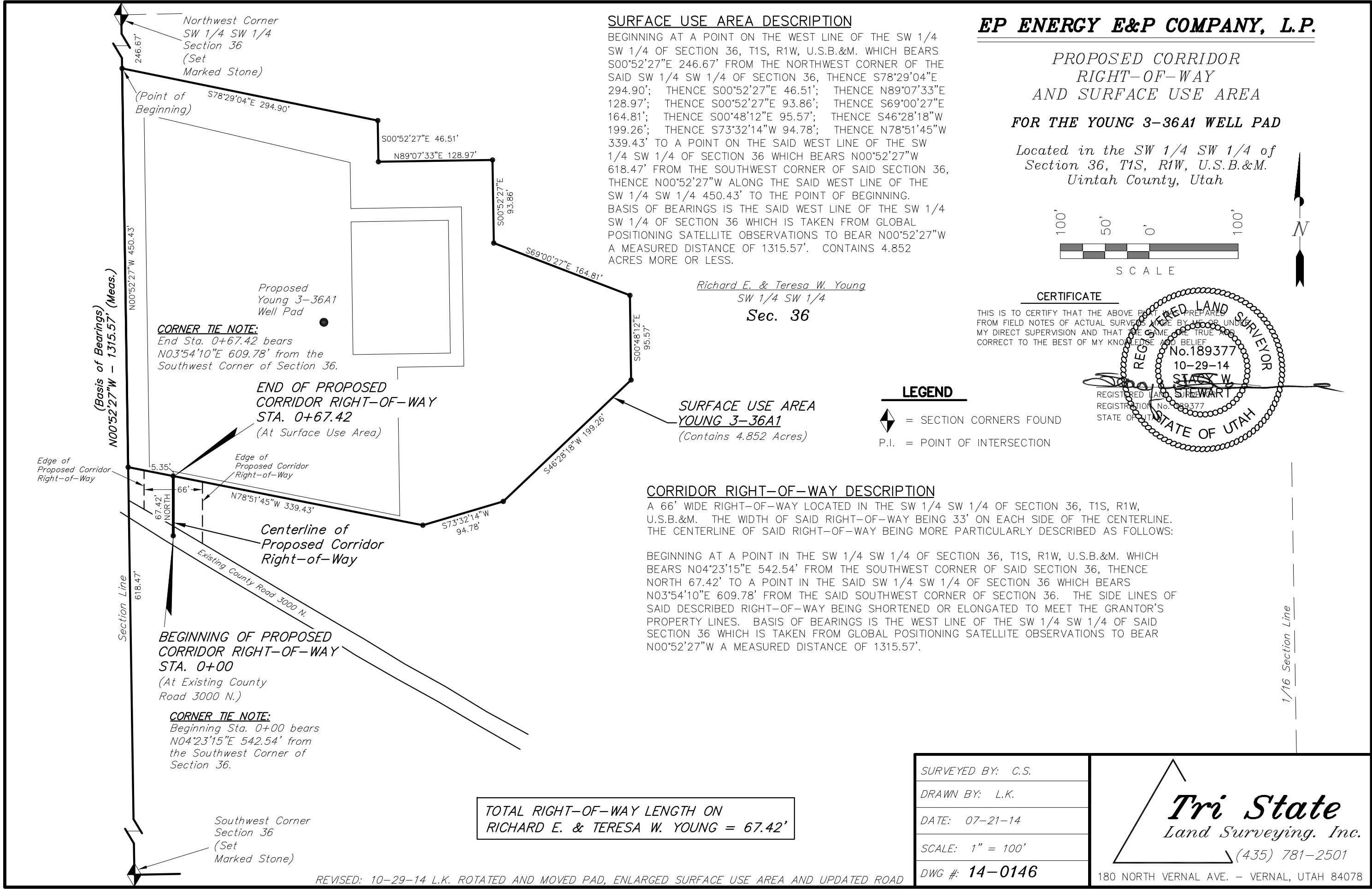
EP ENERGY E&P COMPANY, L.P.

Proposed Young 3-36A1
Sec. 36, T1S, R1W, U.S.B.&M.
Uintah County, UT.

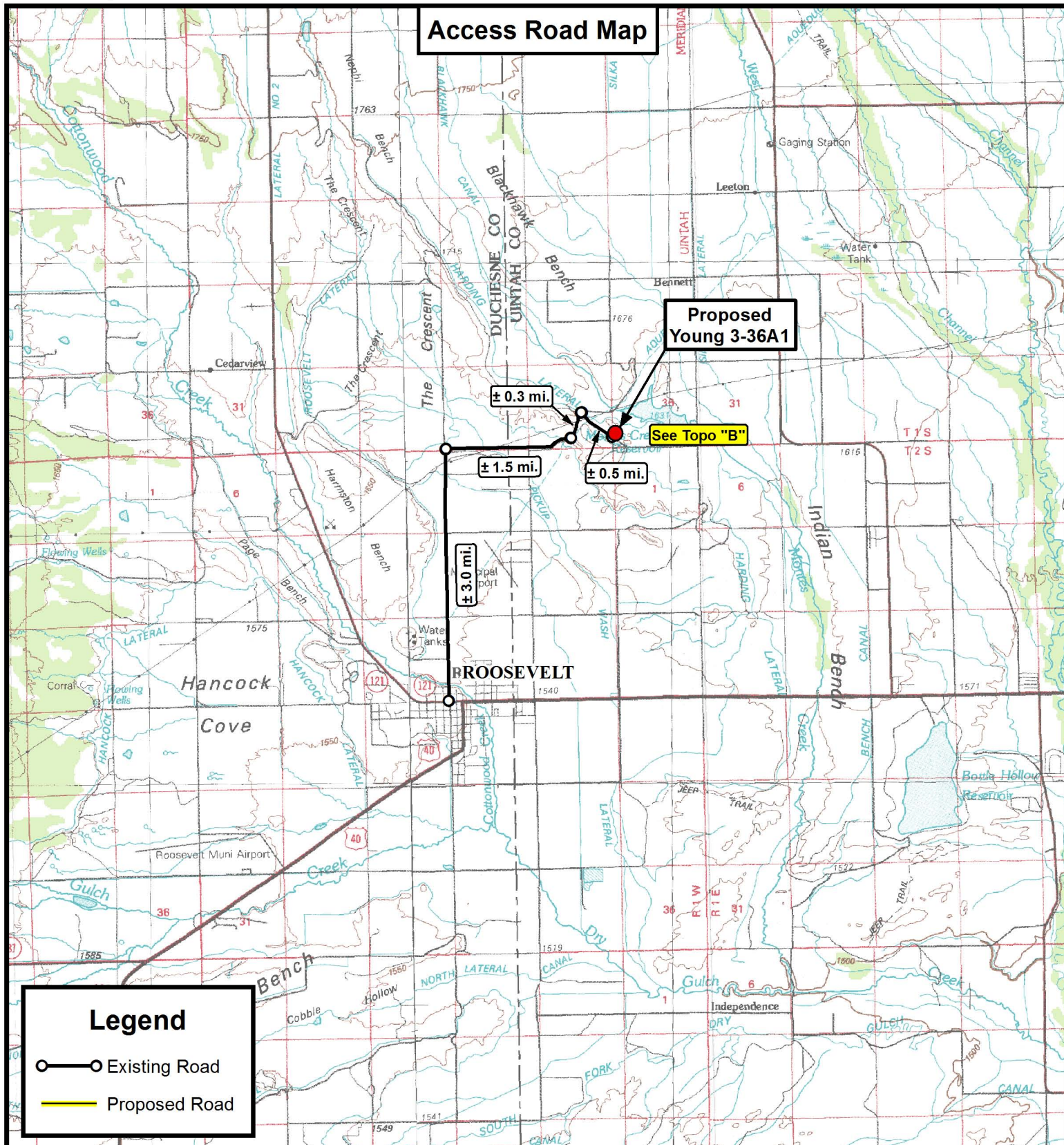
COLOR PHOTOGRAPHS

SHEET

P1



Access Road Map



Legend

- Existing Road
- Proposed Road

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518



EP ENERGY E&P COMPANY, L.P.

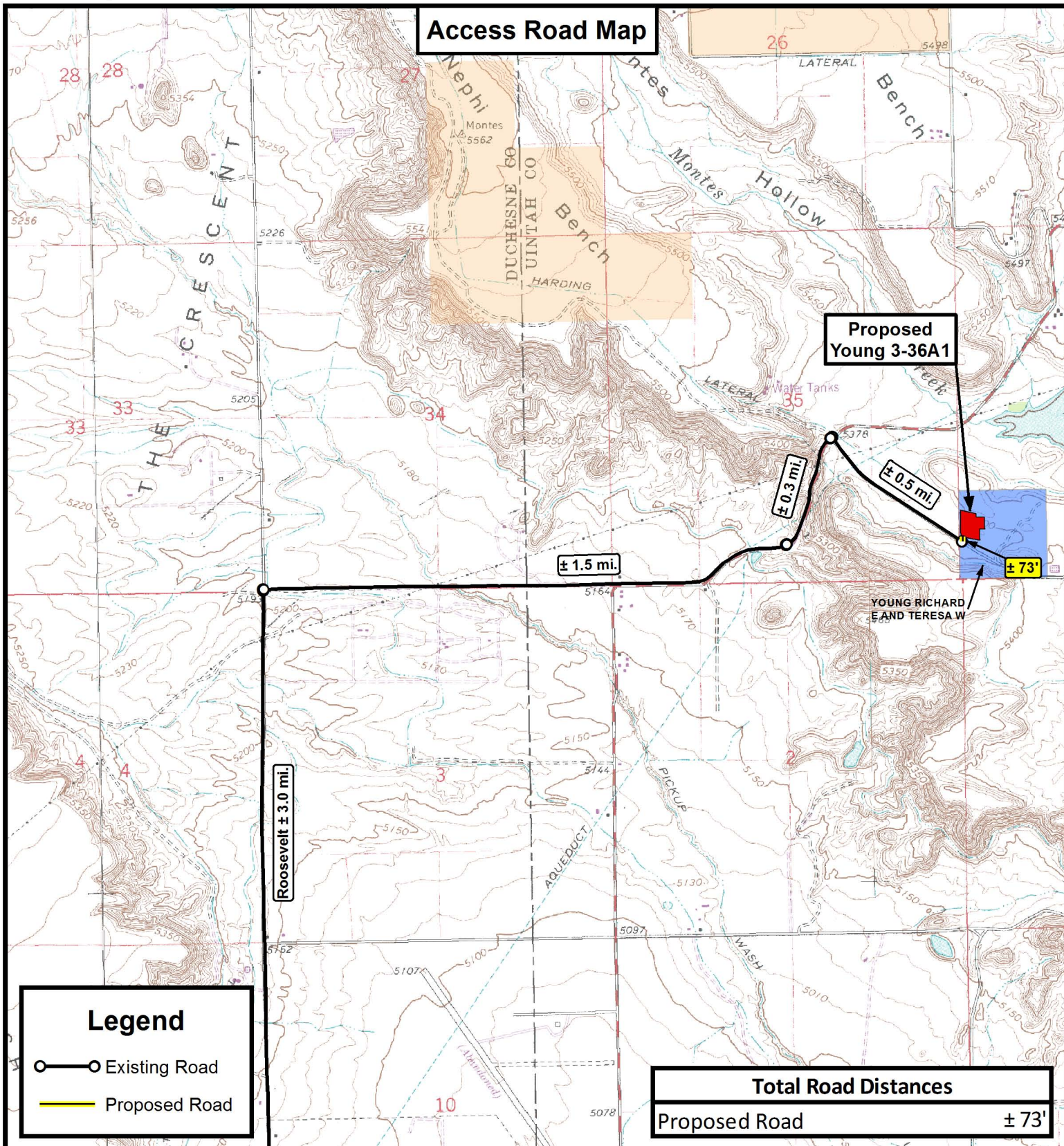
Proposed Young 3-36A1
Sec. 36, T1S, R1W, U.S.B.&M.
Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:	10-23-14 A.P.C.
DATE:	07-24-14		
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET

A

Access Road Map

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518



EP ENERGY E&P COMPANY, L.P.

Proposed Young 3-36A1
Sec. 36, T1S, R1W, U.S.B.&M.
Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:	10-23-14 A.P.C.
DATE:	07-24-14		
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP




SHEET

B

Exhibit "B" Map

**Proposed
Young 3-36A1**

Legend

-  1 Mile Radius
-  Proposed Location
-  Other Location

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



**Tri State
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518



EP ENERGY E&P COMPANY, L.P.

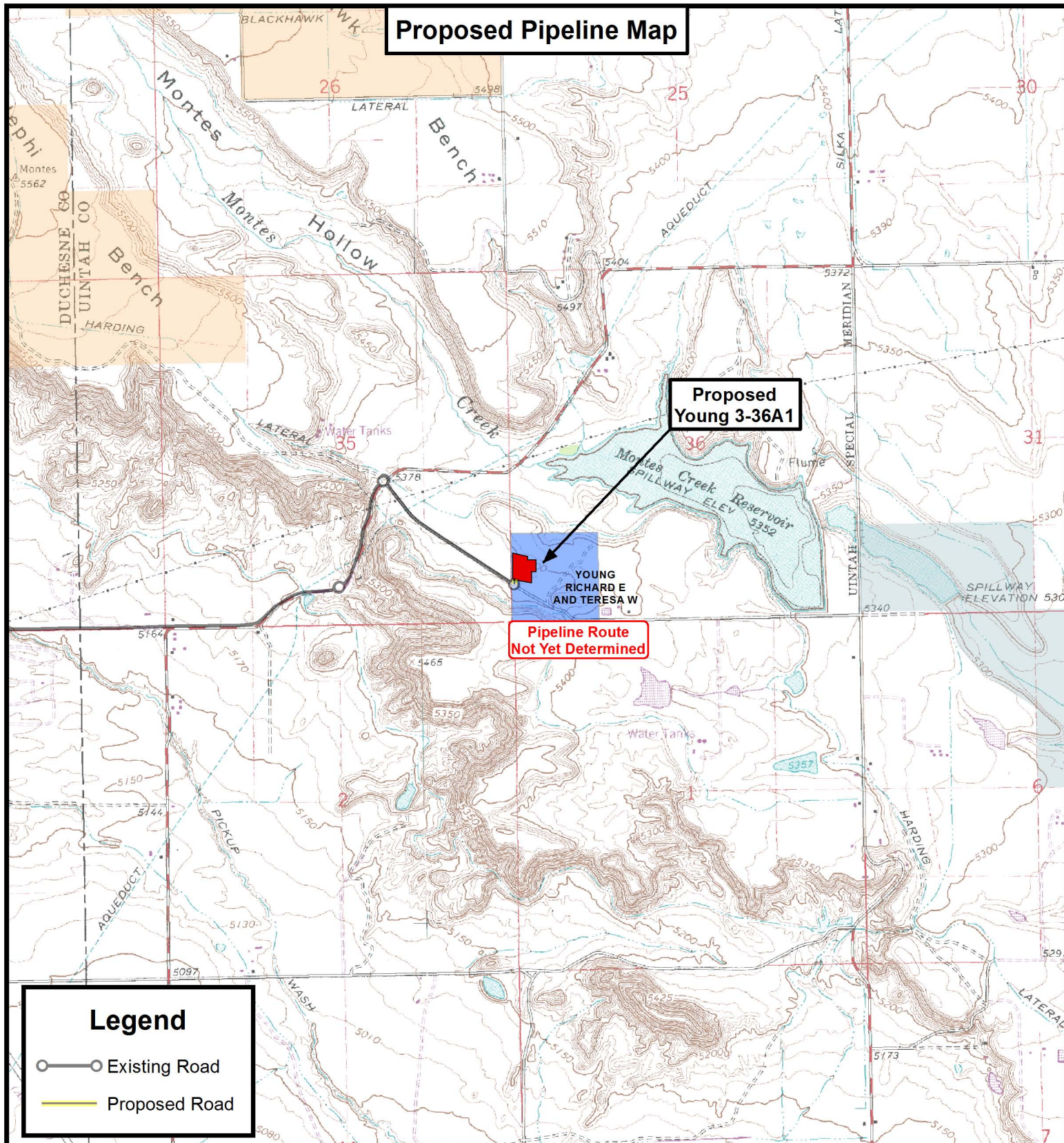
**Proposed Young 3-36A1
Sec. 36, T1S, R1W, U.S.B.&M.
Uintah County, UT.**

DRAWN BY:	A.P.C.	REVISED:	10-23-14 A.P.C.
DATE:	07-24-14		
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET

C

Proposed Pipeline Map**Legend**

- Existing Road
- Proposed Road

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518

**EP ENERGY E&P COMPANY, L.P.**

Proposed Young 3-36A1
Sec. 36, T1S, R1W, U.S.B.&M.
Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:	10-23-14 A.P.C.
DATE:	07-24-14		
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET

D

12/16/2014

Subject: 24 Hour Notice of Initial Spud on the following well.

Well Name: Young 3-36A1

API Well Number: 43047547340000

Field: Altamont

County: Uintah

Mineral Owner: Fee

778 F&L 224 FWL
SW&W 36 18 1W

December 16, 2014

2:00 PM

Leon Ross Drilling

Rig #35 Bucket Rig Spudded in on the above well for EP Energy LLC.

Best Regards

Gary Miller

Rig Site Supervisor

EP Energy LLC

C: 435-823-1725



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

March 21, 2016

CERTIFIED MAIL NO.: 7015 0640 0003 5275 9918

Ms. Linda Renken
EP Energy
1001 Louisiana Street, Suite 2628D
Houston, TX 77002

43 047 54734
Young 3-36 A1
36 IS IW

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Ms. Renken:

As of January 2016, EP Energy has thirty-six (36) Fee Lease Wells (see attachment A) that are currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. The first eight wells listed on attachment A have been previously noticed and will most likely be addressed further in a later correspondence.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Please note that the Divisions preferred method for showing well integrity is by MIT.

Page 2
EP Energy
March 21, 2016

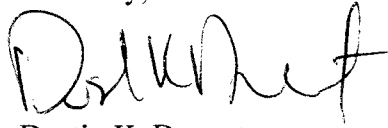
Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

All Submittals should be sent via ePermit

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet
Petroleum Engineer

DKD/DD/js
Enclosure

cc: Compliance File
Well File

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

ATTACHMENT A

	Well Name	API	LEASE	Years Inactive
1	Farnsworth 2-12B5	43-013-31115	Fee	12 year(s) 4 month(s)
2	Brotherson 1-10B4	43-013-30110	Fee	11 year(s) 10 month(s)
3	Miles 2-35A4	43-013-31087	Fee	8 year(s) 10 month(s)
4	Fly/Dia L Boren 1-14A2	43-013-30035	Fee	6 year(s) 11 month(s)
5	Brotherson 2-3B4	43-013-31008	Fee	5 year(s) 5 month(s)
6	R Houston 1-22Z1	43-013-30884	Fee	4 year(s) 2 month(s)
7	Horrocks 5-20A1	43-013-34280	Fee	6 year(s) 6 month(s)
8	Eula-Ute 1-16A1	43-013-30782	Fee	3 year(s) 10 month(s)
9	ASAY E J 1-20A1	43-013-30102	Fee	2 year(s) 6 month(s)
10	ELLSWORTH 1-17B4	43-013-30126	Fee	2 year(s) 5 month(s)
11	ELLSWORTH 1-19B4	43-013-30183	Fee	2 year(s) 2 month(s)
12	ELLSWORTH 2-8B4	43-013-30898	Fee	2 year(s) 2 month(s)
13	BROADHEAD 2-32B5	43-013-31036	Fee	2 year(s) 4 month(s)
14	ELLSWORTH 2-17B4	43-013-31089	Fee	2 year(s) 6 month(s)
15	HUNT 2-21B4	43-013-31114	Fee	2 year(s) 2 month(s)
16	CEDAR RIM 8-A	43-013-31171	Fee	2 year(s) 4 month(s)
17	MILES 2-3B3	43-013-31261	Fee	2 year(s) 4 month(s)
18	MATTHEWS 2-13B2	43-013-31357	Fee	12 year(s) 4 month(s)
19	HORROCKS 2-5B1E	43-047-32409	Fee	2 year(s) 9 month(s)
20	FARNSWORTH 1-12B5	43-013-30124	Fee	1 year(s) 11 month(s)
21	ELDER 1-13B2	43-013-30366	Fee	1 year(s) 8 month(s)
22	YOUNG 2-30B4	43-013-31366	Fee	1 year(s) 7 month(s)
23	POTTER 1-24B5	43-013-30356	Fee	1 year(s) 5 month(s)
24	PETERSON 4-22C6	43-013-51163	Fee	1 year(s) 5 month(s)
25	FARNSWORTH 1-13B5	43-013-30092	Fee	2 year(s) 0 month(s)
26	BROTHERSON 2-35B5	43-013-30908	Fee	2 year(s) 0 month(s)
27	WRIGHT 2-13B5	43-013-31267	Fee	2 year(s) 0 month(s)
28	CHANDLER 1-5B4	43-013-30140	Fee	1 year(s) 3 month(s)
29	ROBB 2-29B5	43-013-31130	Fee	1 year(s) 2 month(s)
→ 30	YOUNG 3-36A1	43-047-54734	Fee	1 year(s) 2 month(s)
31	ERCANBRACK 3-14B1	43-047-54203	Fee	2 year(s) 2 month(s)
32	OSTLER 7-20C4	43-013-53137	Fee	1 year(s) 2 month(s)
33	MYRIN LIVESTOCK 3-20B3	43-013-53133	Fee	1 year(s) 3 month(s)
34	HILL 4-28A1	43-013-53111	Fee	1 year(s) 2 month(s)
35	BULLOCK 4-17C4	43-013-52900	Fee	1 year(s) 3 month(s)
36	LINDSAY TRUST 4-18B4	43-013-52766	Fee	1 year(s) 5 month(s)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002		8. WELL NAME and NUMBER: Young 3-36A1
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0778 FSL 0224 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 36 Township: 01.0S Range: 01.0W Meridian: U		9. API NUMBER: 43047547340000
PHONE NUMBER: 713 997-5138 Ext		9. FIELD and POOL or WILDCAT: BLUEBELL
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/17/2016	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 Spud Date: 12/18/2015. Please see attached daily drilling operations report. This well is not completed as it has not been perfed or frac'd.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 July 19, 2016

NAME (PLEASE PRINT) Linda Renken	PHONE NUMBER 713 997-5138	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 7/18/2016	

CENTRAL DIVISION

ALTAMONT FIELD
YOUNG 3-36A1
YOUNG 3-36A1
DRILLING LAND

Operation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	YOUNG 3-36A1		
Project	ALTAMONT FIELD	Site	YOUNG 3-36A1
Rig Name/No.	PRECISION DRILLING/406	Event	DRILLING LAND
Start date	12/22/2015	End date	
Spud Date/Time	12/22/2015	UWI	YOUNG 3-36A1
Active datum	KB @5,412.3usft (above Mean Sea Level)		
Afe No./Description	165390/55551 / YOUNG 3-36A1		

2 Summary

2.1 Operation Summary

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
12/19/2015	6:00	8:00	2.00	CASCOND	24		P	0.0	SET 57' 20" CONDUCTOR, SET MOUSE HOLE @ 80'. ADDED RKB CORRECTION FOR PD 406.
	8:00	9:00	1.00	CASCOND	24		P	57.0	DRILL 17½" HOLE TO 857'. RAN 19 JTS 13-3/8" 54.5# N-80 ST&C TO 857'. FC @ 812' SHOE 857'. ADDED RKB CORRECTION FOR PD 406.
	9:00	6:00	21.00	CASCOND	25		P	857.0	M&P 60 BBLS H2O 40 BBL GEL. 1,069 SXS (219 BBLS) PREMIUM G LEAD CMT @ 15.8 PPG, 1.15 YLD. RELEASED TOP PLUG. DISPLACED WITH 129 BBLS OF H2O @ 7 BPM. BUMPED WITH 800 PSI.
12/20/2015	6:00	6:00	24.00	MIRU	01		P	857.0	MOVE IN & RIG UP. 90% MOVED IN 30% RIGGED UP.
12/21/2015	6:00	6:00	24.00	MIRU	01		P	857.0	MIRU. 100% MOVED. 98% RU. RELEASED TRUCKS @ 13:30 HRS. RAISE DERRICK & PREP FLOOR. RU TDU.
12/22/2015	6:00	9:00	3.00	MIRU	01		P	857.0	RU TDU, CHOKE & FLARE LINES. RIG ON FULL DAYRATE @ 09:00 12/21/15.
	9:00	15:00	6.00	CASCOND	28		P	857.0	NU 13-5/8" 3M DIVERTER SYSTEM.
	15:00	19:00	4.00	CASCOND	19		P	857.0	RU & TESTED FLOOR VALVES, ANNULAR, CHOKE & KILL VALVES 250 PSI LOW & 2,500 PSI HIGH. TESTED CHOKE MANIFOLD & LINES 250 PSI LOW & 3,000 PSI HIGH. HELD EACH TEST 10 MINUTES. RD TESTER. INSTALL KILL LINE & SCAFFOLDING.
	19:00	22:30	3.50	CASCOND	14		P	857.0	PU 12¼" BHA.
	22:30	23:00	0.50	CASCOND	31		P	857.0	TEST CSG TO 1,000 PSI FOR 30 MINUTES.
	23:00	1:00	2.00	CASCOND	17		P	857.0	SLIP & CUT DRILL LINE.
	1:00	1:30	0.50	CASCOND	14		P	857.0	PU HWDP.
	1:30	4:30	3.00	CASCOND	32		P	857.0	DRILL FLOAT EQUIPMENT AND SHOE TRACK.
	4:30	6:00	1.50	DRLSURF	47		N	857.0	TROUBLE SHOOT SCR. LOSING POWER.
12/23/2015	6:00	10:30	4.50	DRLSURF	07		P	857.0	DRILLED 857' - 1,422'.
	10:30	11:30	1.00	DRLSURF	11		P	1,422.0	CIR - RAN WL SURVEY 1.05 DEGS. 1,354'.
	11:30	23:00	11.50	DRLSURF	07		P	1,422.0	DRILLED 1,422' - 3,053'.
	23:00	23:30	0.50	DRLSURF	12		P	3,053.0	SERVICED RIG.
	23:30	4:00	4.50	DRLSURF	07		P	3,053.0	DRILLED 3,053' - 3,500'.
	4:00	5:00	1.00	DRLSURF	15		P	3,500.0	CIR HI VIS SWEEP FOR RUNNING OF GYRO.
	5:00	6:00	1.00	DRLSURF	11		P	3,500.0	RAN GYRO.
12/24/2015	6:00	7:00	1.00	DRLSURF	11		P	3,500.0	FINISHED GYRO TO 3,440'.
	7:00	7:30	0.50	DRLSURF	12		P	3,500.0	SERVICED RIG.
	7:30	12:30	5.00	DRLSURF	13		P	3,500.0	TOOH. BACK-REAMED INTO 13 3/8" CSG SHOE AT 857'.
	12:30	16:30	4.00	DRLSURF	13		P	3,500.0	TIH, REAM TO 3,500' SCP.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	16:30 17:30	1.00	DRLSURF	15		P	3,500.0	CIR & COND 10.6 MUD.
	17:30 23:00	5.50	DRLSURF	13		P	3,500.0	PUMPED OUT OF HOLE 3,500' - 3,195'. STRAIGHT PULLED THROUGH INTERMITTENT RESISTANCE INTO 13 3/8" CASING.
	23:00 2:00	3.00	DRLSURF	14		P	3,500.0	TOOH WITH BHA. LAID DOWN 8" DCs. UNABLE TO BREAK SHOCK SUB FROM MM, LAID DOWN TOGETHER. CLEANED RIG FLOOR.
	2:00 6:00	4.00	CASSURF	24		P	3,500.0	RU FRANK'S WESTATES' CSG TOOLS. MADE UP & TACK WELDED SHOE TRACK WITH FS & FC ON ONE CASING JOINT. RIH WITH 9 5/8", 40#, N-80, LTC CSG. REDUCING MW TO 10.4 PPG.
12/25/2015	6:00 10:30	4.50	CASSURF	24		P	3,500.0	RIH WITH ADDITIONAL CASING. RAN 78 TOTAL JTS (3,494') OF 9 5/8", 40#, N-80, LTC CSG. UTILIZED 25 STANDARD 9 5/8" X 12 1/4" BOWSPRING CENTRALIZERS. WASHED ONE JOINT THROUGH RESISTANCE AT 2,222', CBU.
	10:30 11:30	1.00	CASSURF	71		N	3,500.0	WASHED 30' OF FILL TO BOTTOM AT 3,500'.
	11:30 13:00	1.50	CASSURF	15		P	3,500.0	RD CIRC SWEDGE. RU PRO-PETRO'S CMT HEAD. C & C 10.4 PPG MUD AT 6 BPM, FULL RETURNS.
	13:00 17:00	4.00	CASSURF	25		P	3,500.0	TESTED P&L TO 3,000 PSI. PUMPED 50 BBLS FW AT 7 BPM. M & P 485 SXS / 241 BBLS 12.0 PPG 2.79 YIELD LEAD CMT. TAILED WITH 380 SXS / 84.6 BBLS 14.3 PPG, 1.26 YIELD CMT. RELEASED PLUG. DISPLACED WITH 261 BBLS 10.4 PPG MUD AT 6 TO 3 BPM. BUMPED PLUG 15:04 HRS, 12/24/2015 TO 1070 PSI. BACK 1.25 BBLS, FLOATS HELD. 66 BBLS CEMENT TO SURFACE. FC: 3,445' SHOE: 3,494'. RD CEMENTERS.
	17:00 19:00	2.00	CASSURF	29		P	3,500.0	FLUSHED FLOWLINE, STACK, KILL, & CHOKE LINES. DISPLACED SUGAR WATER IN CHOKE LINES WITH AIR. PARTIALLY NIPPLED DOWN WHILE MONITORED WELL ON TRIP TANK. OBSERVED NO FLOW NOR CEMENT FALL BACK.
	19:00 0:30	5.50	CASSURF	29		P	3,500.0	COMPLETED ND ROT HEAD, FLOW LINE, WING VALVES, ETC. PU DIVERTER STACK. ROUGH CUT & LD 9 5/8" CASING CUT-OFF. ND 13 5/8" 5M DIVERTER ANNULAR & DRLG SPOOL. CUT OFF HEAD, REMOVED CEMENT SHEATH UNDERNEATH MUD CROSS VALVES.
	0:30 3:00	2.50	CASSURF	42		P	3,500.0	RESIZED PUMP LINERS TO 5" WHILE WELDED 9 5/8" SOW X 11" 5M WELL HEAD. TESTED 2,000 PSI >10 MINUTES.
	3:00 6:00	3.00	CASSURF	28		P	3,500.0	NU 11" 5M X 11" 10M B-SECTION. NU 11" 10M BOPE.
	6:00 12:00	6.00	CASSURF	28		P	3,500.0	FINISHED NU 11" 10M BOPE & INSTALLED FLOW LINE. WEATHERFORD TORQUED BOLTS.
12/26/2015	12:00 15:30	3.50	CASSURF	19		P	3,500.0	RESIZED PUMP LINERS TO 5" WHILE TESTED 11" 5M ANNULAR TO 250 / 2,500 PSI AND REMAINING BOPE, FLOOR VALVES, ETC TO 250 / 5,000 PSI. HELD EACH TEST >10 MINUTES. TESTED CSG 2,500 PSI >30 MINS. RD TESTER.
	15:30 16:00	0.50	CASSURF	42		P	3,500.0	INSTALLED WEAR BUSHING.
	16:00 18:30	2.50	CASSURF	14		P	3,500.0	PUMU RYAN'S TOOLS, 8 3/4" BIT, BHA.
	18:30 19:00	0.50	DRLINT1	07		P	3,500.0	INSTALLED ROTATING HEAD RUBBER.
	19:00 20:00	1.00	CASSURF	13		P	3,500.0	TIH TO CMT AT 3,356'.
	20:00 21:00	1.00	CASSURF	32		P	3,500.0	CO CMT TO TOP OF FC AT 3,445'.
	21:00 22:00	1.00	CASSURF	32		P	3,500.0	C & C MUD. RETESTED CASING TO COLLECT CSG DATA POINTS FOR FIT.
	22:00 23:00	1.00	CASSURF	32		P	3,500.0	DRILLED OUT CMT & FE. EMW: 15.7 PPG.
	23:00 6:00	7.00	DRLINT1	07		P	3,510.0	DRILLED 3,510' - 4,100'.
12/27/2015	6:00 10:30	4.50	DRLINT1	07		P	4,100.0	DRILLED 4,100' - 4,744'.
	10:30 11:00	0.50	DRLINT1	12		P	4,744.0	SERVICED RIG.
	11:00 6:00	19.00	DRLINT1	07		P	4,744.0	DRILLED 4,744' - 5,900'. AT 5,790' HOLE STARTED TAKING FLUID AT 104 BBLS PER HR. PUMPED SAWDUST SWEEPS TO STABILIZE.
12/28/2015	6:00 16:00	10.00	DRLINT1	07		P	5,900.0	DRILLED 5,900' - 6,282'.
	16:00 16:30	0.50	DRLINT1	12		P	6,282.0	SERVICED RIG.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
12/29/2015	16:30 4:00	11.50	DRLINT1	07		P	6,282.0	DRILLED 6,282' - 6,763'.
	4:00 4:30	0.50	DRLINT1	12		P	6,763.0	SERVICED RIG.
	4:30 6:00	1.50	DRLINT1	07		P	6,763.0	DRILLED 6,763' - 6,800'.
	6:00 17:00	11.00	DRLINT1	07		P	6,800.0	DRILLED 6,800' - 7,147'.
	17:00 17:30	0.50	DRLINT1	12		P	7,147.0	SERVICED RIG.
	17:30 19:00	1.50	DRLINT1	57		P	7,147.0	LOST SIGNAL FROM EM TOOL - DOWN LINKED TWICE.
	19:00 2:30	7.50	DRLINT1	07		P	7,147.0	DRILLED 7,147' - 7,340'.
	2:30 3:00	0.50	DRLINT1	12		P	7,340.0	SERVICED RIG.
12/30/2015	3:00 6:00	3.00	DRLINT1	07		P	7,340.0	DRILLED 7,340' - 7,400'.
	6:00 16:30	10.50	DRLINT1	07		P	7,400.0	DRILLED 7,400' - 7,725'.
	16:30 17:00	0.50	DRLINT1	12		P	7,725.0	SERVICED RIG.
	17:00 19:00	2.00	DRLINT1	07		P	7,725.0	DRILLED 7,725' - 7,777'.
	19:00 20:00	1.00	DRLINT1	52		N	7,777.0	LOST ALL RETURNS. PUMPED LCM SWEEPS. LOST 226 BBLS PRIOR TO RETURNS.
	20:00 22:00	2.00	DRLINT1	07		P	7,777.0	DRILLED 7,777' - 7,822'. LOSING MUD AT 134 BBLS / HR. PUMPED LCM SWEEPS. SHAKERS BY PASSED.
	22:00 23:30	1.50	DRLINT1	52		N	7,822.0	STOP AND BUILT MUD VOLUME & LCM 20 PPB TO DRILL AHEAD. WORKED DP & ROTATED, PUMPED 6 BBLS EVERY 10 MINUTES.
	23:30 4:00	4.50	DRLINT1	07		P	7,822.0	DRILLED 7,822' - 7,827'. PREP TO SLIDE. WORKED TORQUE OUT, HUNG UP AT 7,820'. WORKED FREE. DRILLED 7,827' - 7,919'.
12/31/2015	4:00 4:30	0.50	DRLINT1	12		P	7,919.0	SERVICED RIG.
	4:30 6:00	1.50	DRLINT1	07		P	7,919.0	DRILLED 7,919' - 7,950'.
	6:00 13:30	7.50	DRLINT1	13		P	7,950.0	C & C MUD. BACK-REAMED RESISTANCE 7,940' - 7,532'. TOO SLOWLY TO LESSEN SWABBING, INTO 9 5/8" SHOE AT 3,494'. CK FOR FLOW AT 6,500' 4,500' 3,500' 890'. REMOVED RH RUBBER. TOO SLOW TO BIT.
	13:30 14:30	1.00	DRLINT1	14		P	7,950.0	LD RYAN'S EMWD TOOLS, MM, & BIT. FUNCTION TESTED BOPE.
	14:30 17:30	3.00	DRLINT1	13		P	7,950.0	TIH WITH BIT #3, FRESH MM, & FRESH EMWD TO 2,400'.
	17:30 18:00	0.50	DRLINT1	12		P	7,950.0	C & C MUD WHILE SERVICED RIG.
	18:00 22:00	4.00	DRLINT1	13		P	7,950.0	STAGED IN HOLE, CIRC EVERY 20 STDS. TAGGED RESISTANCE AT 7,724'.
	22:00 1:00	3.00	DRLINT1	51		N	7,950.0	WASH & REAMED RESISTANCE 7,724' - 7,897'. PACKED OFF ANNULUS. WORKED ABOVE TIGHT HOLE TO 7,777', WITHOUT RETURNS. PARTIAL RETURNS AFTER PULLING ABOVE 7,753'.
1/1/2016	1:00 4:30	3.50	DRLINT1	52		N	7,950.0	BUILT BACK MUD VOLUME IN ACTIVE FROM PRE-MIX. 20 PPB LCM. LOSING 100 BPH. BUILDING MUD VOLUME.
	4:30 6:00	1.50	DRLINT1	52		N	7,950.0	WORKED OUT 5 STANDS TO 7,200'. C & C MUD.
	6:00 14:00	8.00	DRLINT1	52		N	7,950.0	ATTEMPTED SWABBING TO REGAIN RETURNS. REDUCED MUD WT TO 9.5 PPG. INCREASED LCM TO 30 PPB. TOO SLOW 3 STANDS. ATTEMPTED SWABBING, WHILE PUMPED 9.5 MUD DOWN DRILL STRING TO BIT. NO SUCCESS. BULL HEADED 140 BBLS FW DOWN ANNULUS AT 4 BPM, PRESSURE INCREASED 120 TO 300. FLOWED BACK WATER WHILE PUMPING MUD. REGAINED MUD RETURNS. CBU.
	14:00 15:00	1.00	DRLINT1	13		N	7,950.0	TIH 7 STANDS. PRECAUTIONARY WASHED DOWN 8TH STAND TO 7,720'.
	15:00 16:00	1.00	DRLINT1	51		N	7,950.0	PRECAUTIONARY WASHED 3 STANDS TO BOTTOM AT 7,950', FULL RETURNS.
	16:00 0:00	8.00	DRLINT1	07		P	7,950.0	DRILLED 7,950' - 8,206'.
	0:00 0:30	0.50	DRLINT1	12		P	8,206.0	SERVICED RIG.
	0:30 6:00	5.50	DRLINT1	07		P	8,206.0	DRILLED 8,206' - 8,400'.
1/2/2016	6:00 9:30	3.50	DRLINT1	07		P	8,400.0	DRILLED 8,400' - 8,507'. ROP DECREASED DRAMATICALLY.
	9:30 17:00	7.50	DRLINT1	13		P	8,507.0	TOO SLOWLY. HOLE BALLOONED. LD MM & RUNG OUT BIT.
	17:00 17:30	0.50	DRLINT1	12		P	8,507.0	SERVICED RIG. CLEANED FLOOR. FUNCTION TESTED BOPE.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	17:30 18:30	1.00	DRLINT1	14		P	8,507.0	REDUCED MW 9.9 TO 9.8 WHILE PU FRESH MM & BIT #4. TESTED EMWD TOOL.
	18:30 21:00	2.50	DRLINT1	13		P	8,507.0	TIH TO 3,561'.
	21:00 22:30	1.50	DRLINT1	17		P	8,507.0	CIR BTMS UP WHILE SLIP AND CUT DRILLING LINE.
	22:30 2:00	3.50	DRLINT1	13		P	8,507.0	TIH TO 8,507'. BREAK CIR 30 MINS AT 5,512'. STAGE IN TO 7,725'.
	2:00 3:00	1.00	DRLINT1	15		P	8,507.0	C & C 9.8 MUD.
	3:00 6:00	3.00	DRLINT1	07		P	8,507.0	DRILLED 8,507' - 8,650'. TRIP GAS 2,946 UNITS GAS, MUD CUT 1.6 PPG.
1/3/2016	6:00 14:30	8.50	DRLINT1	07		P	8,650.0	DRILLED 8,650' - 9,071'.
	14:30 15:00	0.50	DRLINT1	12		P	9,071.0	SERVICED RIG.
	15:00 1:30	10.50	DRLINT1	07		P	9,071.0	DRILLED 9,071' - 9,553'.
	1:30 2:00	0.50	DRLINT1	12		P	9,553.0	SERVICED RIG.
	2:00 6:00	4.00	DRLINT1	07	DRILL ED 9,553' - dRI	P	9,553.0	DRILLED 9,553' - 9,680'.
1/4/2016	6:00 13:00	7.00	DRLINT1	07		P	9,680.0	DRILLED 9,680' - 9,882'. ROP DECREASED.
	13:00 20:00	7.00	DRLINT1	13		P	9,882.0	TOOH FOR BIT.
	20:00 21:30	1.50	DRLINT1	14		P	9,882.0	LD MM & DULLED BIT. PU FRESH MM & BIT # 5. TESTED EMWD TOOL.
	21:30 22:30	1.00	DRLINT1	13		P	9,882.0	TIH TO 1,879'.
	22:30 23:30	1.00	DRLINT1	15		N	9,822.0	ATTEMPTED TO FILL DP. PRESSURED UP TO 1,581 PSI. ICE PLUG IN TDU. DISCHARGED SAME WITH STEAM. PUMPED THROUGH TDU INTO MOUSE HOLE.
	23:30 3:00	3.50	DRLINT1	17		N	9,882.0	FILLED DP. PRESSURED UP TO 2,269 PSI AFTER PUMPING 24 BBLs. TOOH LOOKING FOR PLUG. FOUND FINE LCM IN MM. LAID DOWN PLUGGED MM.
	3:00 4:00	1.00	DRLINT1	13		P	9,882.0	PU FRESH MM & BIT #5. PUMPED THRU MM & EM TOOL. PRESSURED TO 700 PSI, THEN BLEED OFF CLEAR.
	4:00 6:00	2.00	DRLINT1	15		P	9,882.0	TIH. BROKE CIRC AT 10 STD INTERVALS.
1/5/2016	6:00 13:00	7.00	DRLINT1	13		P	9,882.0	FINISHED SIH WITH BIT 5. BROKE CIRC AT 10 STAND INTERVALS. CBU FROM 3,500' & 7,500'. TAGGED 9,845'. WASHED/REAM TO BOTTOM.
	13:00 0:00	11.00	DRLINT1	07		P	9,882.0	DRILLED 9,882' - 10,226'.
	0:00 0:30	0.50	DRLINT1	12		P	10,226.0	SERVICED RIG.
	0:30 5:00	4.50	DRLINT1	07		P	10,226.0	DRILLED 10,226' - 10,293' ICP.
	5:00 6:00	1.00	DRLINT1	15		P	10,293.0	C & C 10.2 MUD FOR WIPER TRIP.
1/6/2016	6:00 10:00	4.00	EVLINT1	13		P	10,293.0	WIPER TRIP TO 7,600'.
	10:00 14:30	4.50	EVLINT1	15		P	10,293.0	C & C MUD & REDUCE LCM TO 1%.
	14:30 15:00	0.50	EVLINT1	12		P	10,293.0	SERVICE RIG & TDU.
	15:00 3:30	12.50	EVLINT1	14		P	10,293.0	LD DP & BHA. PULL WEAR BUSHING.
	3:30 6:00	2.50	EVLINT1	22		P	10,293.0	PJSM. RU HES. RUN STANDARD QUAD COMBO.
1/7/2016	6:00 10:00	4.00	EVLINT1	22		P	10,293.0	RUN WITH HES STANDARD QUAD COMBO. HIT BRIDGE @ 5,110'. COULD NOT GET PAST BRIDGE. LOG UP TO SURFACE CASING. RD LOGGING TOOLS.
	10:00 16:00	6.00	CASINT1	24		P	10,293.0	PJSM. RU & RUN 7" 29# HCP 110 LTC CSG TO 3,043'. BREAK CIRC EVERY 1,000' CBU EVERY 2,000'.
	16:00 17:00	1.00	CASINT1	24		P	10,293.0	RU FRANK'S CRT/TAWG TOOL. CBU.
	17:00 5:00	12.00	CASINT1	24		P	10,293.0	RAN 248 JTS 7" 29# HCP-110 LT&C CSG TO 10,293'. FLOAT COLLAR @ 10,249', MARKER JT @ 8,583'. BREAK CIRC EVERY 1,000', CBU EVERY 2,000'. NO LOSSES.
	5:00 6:00	1.00	CASINT1	15		P	10,293.0	SPACE OUT. MAKE UP LANDING JT. RU HES CEMENT HEAD & CBU.
1/8/2016	6:00 9:00	3.00	CASINT1	15		P	10,293.0	CIRCULATE @ 4 BPM. MAX GAS 7,764 UNITS (PASON). NO FLARE. MUD CUT FROM 9.9 - 9.6 PPG. NO LOSSES.
	9:00 9:30	0.50	CASINT1	24		P	10,293.0	RD CASING EQUIPMENT & CRT.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	9:30 13:30	4.00	CASINT1	25		P	10,293.0	PJSM. RU HES. PUMPED 100 BBLS WTR SPACER . 560 SXS (181 BBLS) VARICEM LEAD CMT @ 12.5 PPG, 1.81 YLD TAILED WITH 250 SXS (72 BBLS) OF VERICEM CMT @ 13 PPG, 1.62 YIELD. RELEASED TOP PLUG. DISPLACED WITH 379 BBLS OF 9.9 PPG MUD @ 5 - 3 BPM. BUMPED PLUG @ 12:54 HRS 1/07/16 WITH 2495 PSI. FINAL CIRC PRESS 1850 PSI. 2.5 BBL BLEED BACK, FLOATS HELD. RD CEMENTERS. 60 BBLS WTR TO SURFACE. LOST 40 BBLS. EST TOC 4,492'. RD CEMENT EQUIPMENT.
	13:30 14:30	1.00	CASINT1	27		P	10,293.0	PJSM. LD LANDING JT. INSTALL & TEST PACK-OFF TO 5,000 PSI FOR 30 MIN.
	14:30 17:30	3.00	CASINT1	19		P	10,239.0	TESTED 11" 5M ANNULAR TO 250 / 4,000 PSI, RAMS & REMAINING BOPE, FLOOR VALVES, ETC TO 250 / 10,000 PSI. HOLD EACH TEST 10 MINUTES.
	17:30 18:00	0.50	CASINT1	31		P	10,293.0	TESTED CASING TO 2,500 PSI FOR 30 MINUTES WHILE CO TDU SAVER SUB TO 4" XT-39.
	18:00 5:30	11.50	CASINT1	14		P	10,293.0	MU 6-1/8" BHA & TIH PU 4" DP.
	5:30 6:00	0.50	CASINT1	17		P	10,293.0	SLIP & CUT DRILL LINE.
	6:00 7:00	1.00	CASINT1	17		P	10,293.0	SLIP & CUT DRILL LINE.
	7:00 8:00	1.00	CASINT1	32		P	10,293.0	DRILL FE & 10' OF FORMATION. FC @ 10,250'.
	8:00 9:00	1.00	DRLPRD	33		P	10,303.0	CBU. PREFORM FIT TO 15.4 EMW. 11.5 PPG + 2,087 PSI.
	9:00 12:30	3.50	DRLPRD	07		P	10,303.0	DRILL 10,303' - 10,475'.
1/9/2016	12:30 13:00	0.50	DRLPRD	12		P	10,475.0	RIG & TOPDRIVE SERVICE.
	13:00 19:30	6.50	DRLPRD	07		P	10,475.0	DRILL 10,475' - 10,796'.
	19:30 21:30	2.00	DRLPRD	15		P	10,796.0	SIM CONN & CBU. MAX GAS 2,796 UNITS, NO FLARE, NO GAIN, 2/10 MC. IN & OUT 4MIN. FC, WELL STATIC.
	21:30 6:00	8.50	DRLPRD	13		P	10,796.0	TFNB # 7.
	6:00 7:00	1.00	DRLPRD	13		P	10,796.0	TIH TO 8,679'.
	7:00 11:00	4.00	DRLPRD	44		N	10,796.0	CHANGE OUT SHIFTER RING ASSEMBLY. FILE SPLINES AND ALIGN BALOR BRAKE.
	11:00 12:30	1.50	DRLPRD	13		P	10,796.0	TIH TO 10,603'.
	12:30 14:00	1.50	DRLPRD	16		P	10,796.0	REAM 10,603' - 10,796'. MAX GAS 2,921 UNITS. NO FLARE, NO GAIN.
	14:00 0:00	10.00	DRLPRD	07		P	10,796.0	DRILL 10,796' - 11,229'.
	0:00 0:30	0.50	DRLPRD	12		P	11,229.0	SERVICED RIG & TDU.
1/10/2016	0:30 6:00	5.50	DRLPRD	07		P	11,229.0	DRILLED 11,229' - 11,340'.
	6:00 13:30	7.50	DRLPRD	07		P	11,340.0	DRILLED 11,340' - 11,609'.
	13:30 14:00	0.50	DRLPRD	12		P	11,609.0	SERVICED RIG & TOPDRIVE.
	14:00 1:00	11.00	DRLPRD	07		P	11,609.0	DRILLED 11,609' - 11,986'.
	1:00 1:30	0.50	DRLPRD	12		P	11,986.0	SERVICED RIG & TOPDRIVE.
	1:30 6:00	4.50	DRLPRD	07		P	11,986.0	DRILLED 11,986' - 12,119'.
	6:00 15:00	9.00	DRLPRD	07		P	12,119.0	DRILLED 12,119' - 12,457'.
	15:00 15:30	0.50	DRLPRD	12		P	12,457.0	SERVICE RIG & TOPDRIVE.
	15:30 16:00	0.50	DRLPRD	07		P	12,457.0	DRILLED 12,457' - 12,468'. ROP DECLINED TO 9 FPH.
	16:00 18:00	2.00	DRLPRD	15		P	12,468.0	C&C. RAISE MUD WT FROM 13.5 TO 13.7 PPG.
1/11/2016	18:00 19:30	1.50	CASPRD1	41		P	12,468.0	EP YEARLY SAFETY STAND DOWN.
	19:30 6:00	10.50	DRLPRD	13		P	12,468.0	TFNB # 8. LD & PU 6-1/8" MM64D.
	6:00 7:30	1.50	DRLPRD	13		P	12,468.0	TIH TO BTM, HOLE SLICK. TRIP MW 13.7 PPG.
	7:30 13:30	6.00	DRLPRD	07		P	12,468.0	DRILLED 12,468' - 12,646'.
	13:30 14:00	0.50	DRLPRD	12		P	12,646.0	SERVICED RIG & TOPDRIVE.
	14:00 1:00	11.00	DRLPRD	07		P	12,646.0	DRILLED 12,646' - 13,022'. RAISED MW TO 13.9 PPG @ 12,854', 14.2 PPG @ 12,960'.
	1:00 1:30	0.50	DRLPRD	12		P	13,022.0	SERVICED RIG & TOPDRIVE.
	1:30 6:00	4.50	DRLPRD	07		P	13,022.0	DRILLED 13,022' - 13,137'. RAISED MW TO 14.5 PPG 13,034'.
	6:00 14:30	8.50	DRLPRD	07		P	13,137.0	DRILLED 13,137' - 13,305'.
	14:30 15:00	0.50	DRLPRD	12		P	13,305.0	SERVICED RIG & TOPDRIVE.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
1/15/2016	15:00 3:00	12.00	DRLPRD	07		P	13,305.0	DRILLED 13,305' - 13,493'. FINAL ROP 8 FT/HR. MW 14.5 PPG.
	3:00 3:30	0.50	EVLPRD	12		P	13,493.0	SERVICED RIG & TOPDRIVE.
	3:30 5:30	2.00	EVLPRD	15		P	13,493.0	SIMULATE CONN & CBU. RAISED MW TO 14.8 PPG WHILE CBU. MAX GAS 2,957 UNITS, NO FLARE, 3/10 MC.
	5:30 6:00	0.50	EVLPRD	13		P	13,493.0	WT TO 12,468'.
	6:00 7:00	1.00	DRLPRD	13		P	13,493.0	WIPER TRIP. BU GAS = 2,975 UNITS. 8-10' FLARE FOR 8 MIN. MUD CUT FROM 14.8 TO 13.5 PPG.
	7:00 13:00	6.00	DRLPRD	07		P	13,493.0	DRILLED 13,493' - 13,587'. (TD) @ 13:00 1/14/16. TD MW 14.9 PPG.
	13:00 13:30	0.50	DRLPRD	12		P	13,587.0	SERVICE RIG & TOPDRIVE.
	13:30 15:30	2.00	EVLPRD	15		P	13,587.0	CBU. MAX GAS 2,946 UNITS, MC FROM 14.9 TO 12.6 PPG. NO FLARE. C&C MUD TO 15.2 PPG. FLOW CHECK WELL STATIC.
	15:30 19:00	3.50	EVLPRD	13		P	13,587.0	WIPER TRIP TO 7" SHOE @ 10,293'. HOLE SLICK.
1/16/2016	19:00 0:30	5.50	EVLPRD	15		P	13,587.0	CBU. MAX GAS 3,018 UNITS, MC FROM 15.2 TO 14.2 PPG, 2-6' FLARE 5 MIN. C&C MUD @ 100 GPM TO 15.5 PPG. FC, WELL STATIC. FINAL BG GAS 210 UNITS ON PASON.
	0:30 6:00	5.50	EVLPRD	13		P	13,587.0	POOH FOR LOGS. FC @ 10,278', 6,990'. WELL STATIC.
	6:00 9:00	3.00	EVLPRD	13		P	13,587.0	POOH & LD BHA.
	9:00 14:30	5.50	EVLPRD	22		P	13,587.0	PJSM. RU HES. RAN ULTRA SLIM QUAD COMBO FROM 13'587 TO 7" CSG SHOE @ 10,293'.
	14:30 21:00	6.50	CASPRD1	24		P	13,587.0	PJSM. RU & RAN FS, 1 JT LINER, FC, LC, 83 JTS 5" 18# P-110HC STL LINER. 5 MARKER JTS. MADE UP VERSAFLEX LINER HANGER ASSEMBLY & SETTING TOOL. CIRC LINER VOLUME. TOTAL LENGTH 3,492'. TOTAL LINER 84 JTS.
	21:00 5:00	8.00	CASPRD1	13		P	13,587.0	TIH W/ 5" LINER ON 4" DP @ 95 FPM, BREAK CIRC EVERY 1,000' TO 10,293'. CBU @ 5,665' & 10,293'. NO LOSSES.
1/17/2016	5:00 6:00	1.00	CASPRD1	13		P	13,587.0	TIH W/ 5" LINER ON 4" DP @ 80 FPM, BREAK CIRC EVERY 1,000'. NO LOSSES.
	6:00 8:30	2.50	CASPRD1	13		P	13,587.0	TIH W/ 5" LINER ON 4" DP. BREAK CIRCULATION EVERY 1,000'. NO LOSSES.
	8:30 12:30	4.00	CASPRD1	15		P	13,587.0	CBU X 2 @ 1- 2.5 BPM, MAX GAS 7,049 UNITS (PASON). NO FLARE, NO GAIN, 2/10 MC. FINAL CIRC PRESSURE 745 PSI @ 2.5 BPM. NO LOSSES.
	12:30 15:30	3.00	CASPRD1	25		P	13,587.0	PJSM. SPACED OUT & RU CMT HEAD. TESTED LINES TO 9,000 PSI. PUMPED 30 BBLS 15.4 PPG TUNED SPACER & 380 SKS (85 BBLS). 15.5 PPG WITH 1.25 YIELD EXPANDACEM CMT. WASHED LINES. DROPPED DP DART. PUMPED 69 BBLS H2O WITH 2% KCL 0.1 % BIOCID, 103 BBLS 15 PPG MUD. BUMP PLUG @ 15:30 WITH 3,973 PSI. PRESSURE PRIOR TO LAND 3,440 PSI. NO LOSSES.
	15:30 16:00	0.50	CASPRD1	25		P	13,587.0	DROP BALL & RUPTURE DISC @ 5,400 PSI. PUMPED 57 BBLS, PRESSURED TO 6,800 PSI, EXPANDED HANGER. PULL TESTED LINER WITH 60K OVERPULL. SAT DOWN 70K, RELEASED SETTING TOOL FROM LINER HANGER. LANDED FS @ 13,587', FC @ 13,541', LC @ 13,539'. TOL @ 10,095'. 198' OF LAP. TOTAL LINER 3,492'. MARKER JT TOP @ 12,589', 12,607', 10,582'.
	16:00 17:00	1.00	CASPRD1	15		P	13,587.0	PULLED UP TO TOL. OBSERVED 1 OVERPULL OF 6K THROUGH CLAD SECTION. CIRC 1.5 TIMES ANNULAR VOLUME. 30 BBLS SPACER & 18 BBLS WEIGHTED CEMENT TO SURFACE. FC, WELL STATIC. POSITIVE TEST TOL TO 1,000 PSI FOR 10MIN, GOOD TEST.
	17:00 20:00	3.00	CASPRD1	15		P	13,587.0	DISPLACE HOLE WITH WATER. PUMPED 320 BBLS H2O NO ADDITIVES, 320 BBLS H2O WITH 2% KCL 0.1 % BIOCID. FC, WELL STATIC. RD CEMENT HEAD & EQUIPMENT.
	20:00 6:00	10.00	CASPRD1	14		P	13,587.0	POOH LDDP & LINER RUNNING TOOL. RAN 30 STANDS OUT OF DERRICK. LDDP.
1/18/2016	6:00 7:00	1.00	CASPRD1	13		P	13,587.0	LDDP. CLEAR FLOOR.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activit y Code	Sub	OP Code	MD from (usft)	Operation
	7:00 14:00	7.00	CASPRD1	27		P	13,587.0	ND BOPE. INSTALL TBG HEAD & FRAC VALVE. TESTED HEAD TO 5,000 PSI FOR 30 MIN. RIG RELEASED @ 14:00 HRS 1/17/16.
	14:00 6:00	16.00	RDMO	02		P	13,587.0	RD 100%.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: Young 3-36A1	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43047547340000	
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002	PHONE NUMBER: 713 997-5138 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0778 FSL 0224 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 36 Township: 01.0S Range: 01.0W Meridian: U		COUNTY: UINTAH
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/29/2016	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> SPUD REPORT Date of Spud:	OTHER: <input type="text" value="Initial Completion"/>
<input type="checkbox"/> DRILLING REPORT Report Date:	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see the attached proposed initial completion plan along with current and post WBD's.

Approved by the
July 26, 2016
Oil, Gas and Mining

Date: _____

By: Derek Duff

NAME (PLEASE PRINT) Linda Renken	PHONE NUMBER 713 997-5138	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 7/20/2016	

Young 3-36A1 Stimulation Summary

	Top Perf	Btm. Perf	Gross Interval	Plug Depth	Net Perf Length	Total Shots	Perf Intervals	Type of Prop	Lbs of Prop	Lbs/ft	Lbs of 100 Mesh	Gals of HCL (15%)	BBLs of Clean H2O	BBLs of Slurry
Stage #1	13,287	13,498	211	13,513	23	69	17	THS 30/50	140,000	664	5,000	5,000	3,732	4,009
Stage #2	13,014	13,244	230	13,259	23	69	17	THS 30/50	150,000	652	5,000	5,000	3,865	4,162
Stage #3	12,763	12,976	213	12,991	22	66	17	THS 30/50	140,000	657	5,000	5,000	3,713	3,991
Stage #4	12,478	12,731	253	12,746	23	69	17	THS 30/50	165,000	652	5,000	5,000	4,061	4,387
Stage #5	12,219	12,436	217	12,451	21	63	16	TLC 30/50	145,000	668	5,000	5,000	3,765	4,041
Stage #6	11,960	12,186	226	12,201	23	69	17	TLC 30/50	150,000	664	5,000	5,000	3,828	4,113
Stage #7	11,714	11,924	210	11,939	21	63	17	TLC 30/50	140,000	667	5,000	5,000	3,676	3,943
Stage #8	11,470	11,679	209	11,694	22	66	17	TLC 30/50	140,000	670	5,000	5,000	3,667	3,934
Average per Stage			221		22	67	17		146,250	662	5,000	5,000	3,788	4,072
Totals per Well			1,769		178	534	135		1,170,000		40,000	40,000	30,307	32,580

Top Perf: 11,470
Bottom Perf: 13,498

Number of Stages 8

Well will be flowed up casing 3 - 8 days prior to tube up.

Tops	Depth
Liner Top:	10,095
	-
Stage #8 Plug	11,694
Stage #7 Plug	11,939
Stage #6 Plug	12,201
Stage #5 Plug	12,451
Stage #4 Plug	12,746
Stage #3 Plug	12,991
Stage #2 Plug	13,259
Stage #1 Plug	13,513
Landing Collar	13,540
Float Collar	13,542
Float Collar	13,542
Packer	10,195

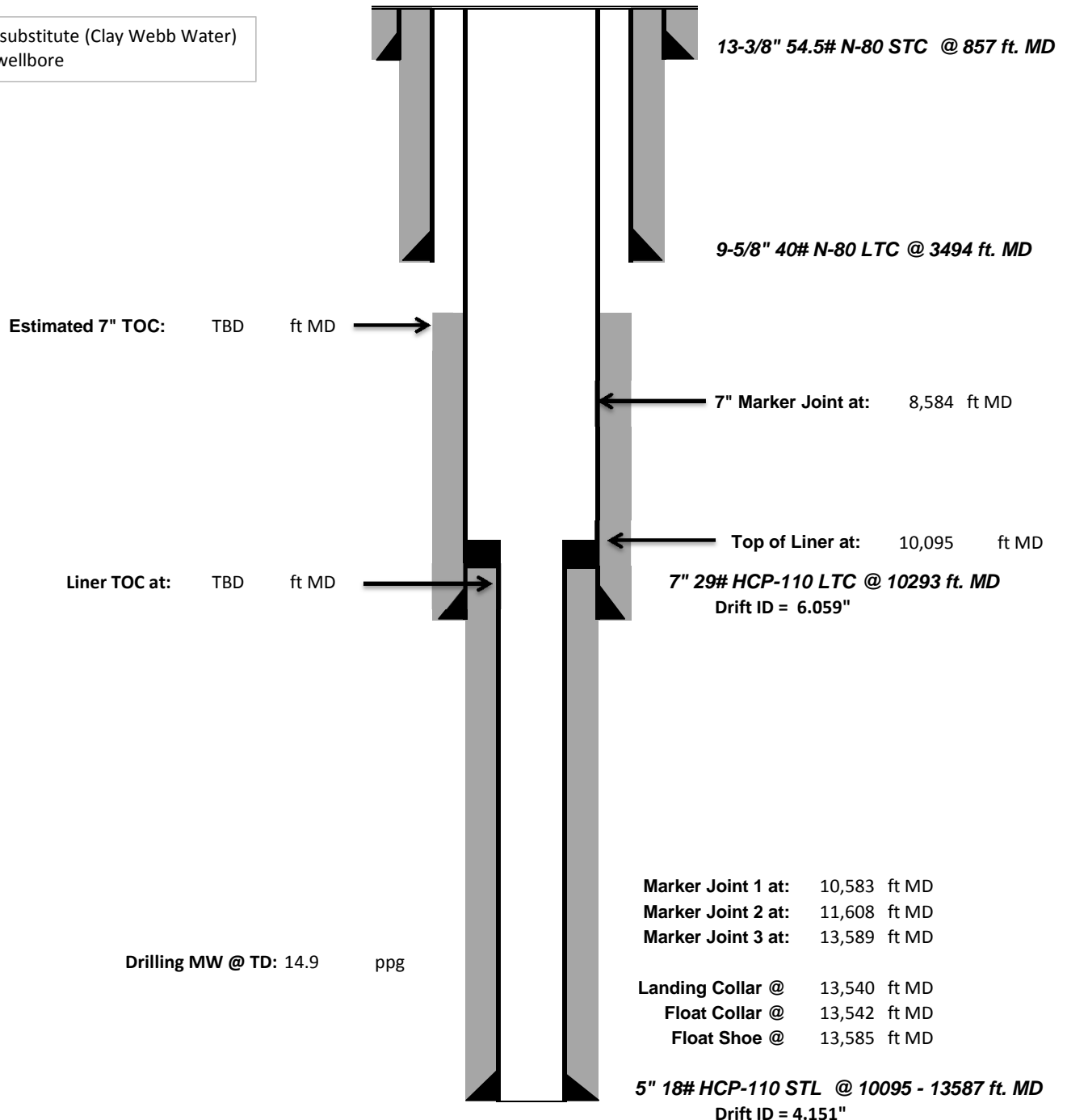


Pre-Completion Wellbore Schematic

Well Name: **Young 3-36A1**
 Company Name: **EP Energy E&P Company, L.P.**
 Field, County, State: **Altamont, Duchesne, Utah**
 Surface Location: **Lat: 40° 20' 51.6"N Long: 109° 57' 9.73"W**
 Producing Zone(s): **Wasatch**

Last Updated: **7/20/2016**
 By: **Krug**
 TD: **13,585**
 API: **43-047-54734**
 AFE: **165390**

8.43 ppg KCL substitute (Clay Webb Water)
 water in the wellbore



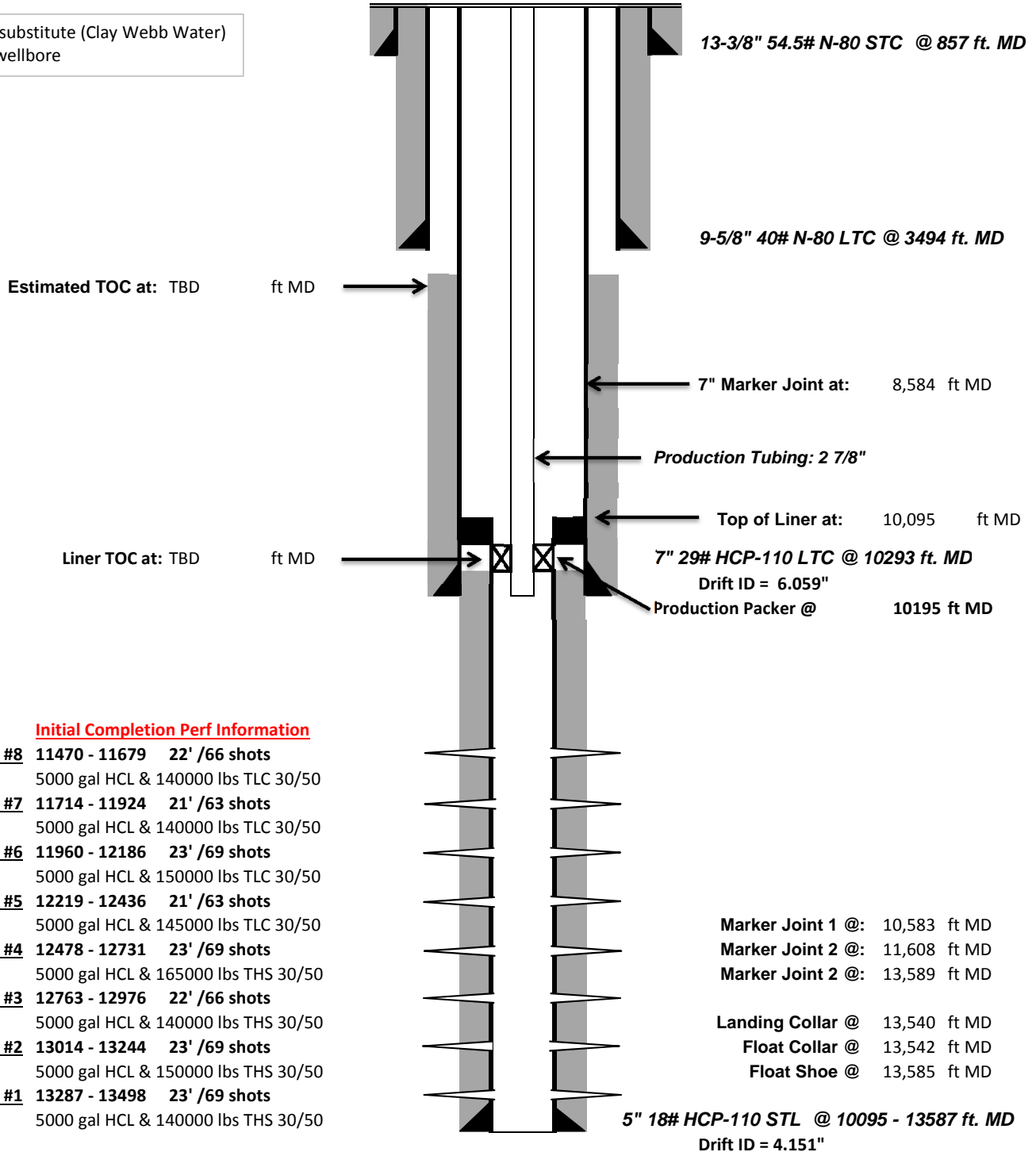


Post-Completion Wellbore Schematic

Well Name: **Young 3-36A1**
 Company Name: **EP Energy E&P Company, L.P.**
 Field, County, State: **Altamont, Duchesne, Utah**
 Surface Location: **Lat: 40° 20' 51.6"N Long: 109° 57' 9.73"W**
 Producing Zone(s): **Wasatch**

Last Updated: **7/20/2016**
 By: **Krug**
 TD: **13,585**
 API: **43-047-54734**
 AFE: **165390**

8.43 ppg KCL substitute (Clay Webb Water)
 water in the wellbore



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG						5. LEASE DESIGNATION AND SERIAL NUMBER:			
						6. IF INDIAN, ALLOTTEE OR TRIBE NAME			
1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____						7. UNIT or CA AGREEMENT NAME			
b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____						8. WELL NAME and NUMBER:			
2. NAME OF OPERATOR:						9. API NUMBER:			
3. ADDRESS OF OPERATOR: CITY _____ STATE _____ ZIP _____					PHONE NUMBER:	10 FIELD AND POOL, OR WILDCAT			
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: AT TOP PRODUCING INTERVAL REPORTED BELOW: AT TOTAL DEPTH:						11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: U.S.B. & M.			
						12. COUNTY		13. STATE	
								UTAH	
14. DATE SPUDDED:		15. DATE T.D. REACHED:		16. DATE COMPLETED: ABANDONED <input type="checkbox"/> READY TO PRODUCE <input type="checkbox"/>		17. ELEVATIONS (DF, RKB, RT, GL):			
18. TOTAL DEPTH: MD _____ TVD _____		19. PLUG BACK T.D.: MD _____ TVD _____		20. IF MULTIPLE COMPLETIONS, HOW MANY? *		21. DEPTH BRIDGE MD _____ PLUG SET: TVD _____			
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)					23. WAS WELL CORED? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit copy)				
24. CASING AND LINER RECORD (Report all strings set in well)									
HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
25. TUBING RECORD									
SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	
26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.									
DEPTH INTERVAL		AMOUNT AND TYPE OF MATERIAL							
29. ENCLOSED ATTACHMENTS:								30. WELL STATUS:	
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS				<input type="checkbox"/> GEOLOGIC REPORT		<input type="checkbox"/> DST REPORT		<input type="checkbox"/> DIRECTIONAL SURVEY	
<input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION				<input type="checkbox"/> CORE ANALYSIS		<input type="checkbox"/> OTHER: _____			

31. INITIAL PRODUCTION**INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: —+	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: —+	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: —+	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: —+	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: —+	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: —+	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: —+	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: —+	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Upper Green River Middle Green River Lower Green River Wasatch	

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Linda Renken TITLE Sr. Regulatory Analyst

SIGNATURE _____ DATE _____

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- ! reentering a previously plugged and abandoned well
- ! significantly deepening an existing well bore below the previous bottom-hole depth
- ! drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

Attachment to Well Completion Report

Form 8 Dated: _

Well Name: _

Items #27 and #28 Continued

27. Perforation Record

Interval (Top/Bottom-MD)	Hole Size	No. of Holes	Perf. Status

28. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material

CENTRAL DIVISION

ALTAMONT FIELD
YOUNG 3-36A1
YOUNG 3-36A1
COMPLETION LAND

Operation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	YOUNG 3-36A1		
Project	ALTAMONT FIELD	Site	YOUNG 3-36A1
Rig Name/No.		Event	COMPLETION LAND
Start date	8/9/2016	End date	
Spud Date/Time	12/22/2015	UWI	YOUNG 3-36A1
Active datum	KB @5,412.3usft (above Mean Sea Level)		
Afe No./Description	165390/55551 / YOUNG 3-36A1		

2 Summary

2.1 Operation Summary

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
8/9/2016	14:00 15:30	1.50	MIRU	01		P		MOVE RIG AND EQUIP FROM 2-5C4 TO LOC HSM= RU & NU
	15:30 17:30	2.00	MIRU	01		P		SPOT IN & RU RIG ND NIGHT CAP, NU BOPS PREP TO TEST CLOSE & LOCK BLIND RAMS, CLOSE CSG VALVES W/ BULL PLUG SDFN
8/10/2016	6:30 7:30	1.00	PRDHEQ	10		P		TRAVEL TO LOC HSM= BOP TESTING,
	7:30 18:30	11.00	PRDHEQ	10		P		ND NIGHT CAP, MI RU WEATH. TESTERS REST BOPS TO 4000 PSI, PU 4-1/8" BIT AND BIT SUB TALLY AND PU 111JNTS 2-3/8" TUB X-OVER TALLEY AND PU 307 JNTS 2-7/8" TAG FILL AT 13480' EST CIRC CLEAN OUT AND DRILL TO LANDING COLLAR AT 13540'CIRC CLEAN HANG BACK SWVL POOH 10 JNTS INSTALL TIW W/ NIGHT CAP, CLOSE AND LOCK PIPE RAMS, CLOSE CSG VALVES W/ BULL PLUGS, SDFN
8/11/2016	6:00 7:30	1.50	PRDHEQ	10		P		TRAVEL TO LOC, HSM= LD TUBING, PRESS W/ CBL
	7:30 14:30	7.00	PRDHEQ	10		P		SIWP= 0 PSI, OPEN WELL CONTINUE TO POOHLD TUBING, LD BIT RD FLOOR AND TUBING EQUIP ND DRILLING HEAD ND BOPS RD RIG(MOVE TO FAIRCLOUGH 4-20C4 RU RIG) MIRU W/L AND CRANE NU LUBE AND GREASE HEAD
	14:30 21:00	6.50	CHLOG	18		P		RIH LOG WOULDNT WORK FIX COMPUTER ISSUES LOG FROM 13520' TO SURFACEBLEED OFF PRESSURE RIG DOWN RIG PUMP RD W/L INSTALL NIGHT CAP SIW W/ BULL PLUGS SDFN
8/26/2016	6:00 7:30	1.50	MIRU	28		P		CT TGSM & JSA (NU AND TESTING PROCEDURES)
	7:30 15:00	7.50	MIRU	16		P		TEST CASING TO 9K, NU AND TEST STACK TO 9K, RU AND TEST FLOW BACK LINES. RU TRANSFER LINES
8/27/2016	6:00 7:30	1.50	STG01	28		P		TGSM & JSA (WIRE LINE OPERATIONS)
	7:30 12:00	4.50	STG01	21		P		RU WIRELINE. PERFORATED STAGE # 1 FROM 13495' TO 13286'. USING 3 1/8, 22.7 GM, 120 DEGREE PHASING, 3 SPF. ALL PERFS CORRELATED TO THE PERFORATORS CBL GR/CCL LOG DATED 8-10-2016. STARTING PRESSURE 1000 PSI, FINAL PRESSURE 600 PSI. CLOSED AND LOCKED ALL FRAC VALVES. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS.
	12:00 6:00	18.00	MIRU	01		P		MIRU FRAC EQUIPMENT
8/28/2016	6:00 8:00	2.00	STG01	28		P		CT TGSM & JSA (FRAC OPERATIONS) FINISH RU FRAC EQUIPMENT.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
8/29/2016	8:00 10:00	2.00	STG01	35		P		PRESSURE TEST LINES & EQUIPMENT. OPENED UP WELL W/ 496 PSI. ATTEMPT TO BREAK DOWN STAGE # 1 PERFS PRESSURED OUT AT 8800 BLEED DOWN TO 100 PSI 2ND ATTEMPT BROKE DOWN @ 7182 PSI, 11.4 BPM. TREATED PERFS W/ 5000 GALS 15% HCL ACID. FLUSHED TO BTM PERF. MAX RATE 42.4. , MAX PRESS 8165 PSI. STEP RATE TEST SHOWED 16 PERFS OPEN. ISIP 6452, F.G. .92. 5 MIN 6402 PSI, 10 MIN 6376 PSI, 15 MIN 6361 PSI. PUMPED 5140 LBS 100 MESH IN 1/2 PPG STAGE AND 140550 LBS THS 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 69.8 BPM, MAX RATE 74.4 BPM. AVG PRESS 7830 PSI, MAX PRESS 8390 PSI. I.S.I.P. 6592 PSI. F.G. .93. 5 MIN 6497 10 MIN 6469 PSI. AVE H. POWER 13395 SHUT WELL IN 3350 BBLs TO RECOVER. TURNED WELL OVER TO WIRELINE.
	10:00 12:30	2.50	STG02	21		P		RU WIRELINE.RIH AND SET WCS CBP @ 13,259' PERFORATED STAGE # 2 FROM 13244' TO 13013'. USING 3 1/8, 22.7 GM, 120 DEGREE PHASING, 3 SPF. ALL PERFS CORRELATED TO THE PERFORATORS CBL GR/CCL LOG DATED 8-10-2016. STARTING PRESSURE 6400 PSI, FINAL PRESSURE 6300 PSI.
	12:30 14:30	2.00	STG02	35		P		PRESSURE TEST LINES & EQUIPMENT. OPENED UP WELL W/ 6296 PSI. BREAK DOWN STAGE # 2 PERFS @ 6606 PSI, 9.3 BPM. TREATED PERFS W/ 5000 GALS 15% HCL ACID. FLUSHED TO BTM PERF. MAX RATE 43.4. , MAX PRESS 7800 PSI. STEP RATE TEST SHOWED 44 PERFS OPEN. ISIP 6387, F.G. .92. 5 MIN 6336 PSI, 10 MIN 6323 PSI, 15 MIN 6312 PSI. PUMPED 4960 LBS 100 MESH IN 1/2 PPG STAGE AND 154760 LBS THS 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 66.7 BPM, MAX RATE 77 BPM. AVG PRESS 7616 PSI, MAX PRESS 8358 PSI. I.S.I.P. 6748 PSI. F.G. .948. 5 MIN 6504 10 MIN 6450 PSI. AVE H. POWER 12458 SHUT WELL IN 4173 BBLs TO RECOVER. TURNED WELL OVER TO WIRELINE.
	14:30 16:30	2.00	STG03	21		P		RU WIRELINE.RIH AND SET WCS CBP @ 12,991' PERFORATED STAGE # 3 FROM 12976' TO 12763'. USING 3 1/8, 22.7 GM, 120 DEGREE PHASING, 3 SPF. ALL PERFS CORRELATED TO THE PERFORATORS CBL GR/CCL LOG DATED 8-10-2016. STARTING PRESSURE 6400 PSI, FINAL PRESSURE 5700 PSI.
	16:30 18:30	2.00	STG03	35		P		PRESSURE TEST LINES & EQUIPMENT. OPENED UP WELL W/ 6296 PSI. BREAK DOWN STAGE # 3 PERFS @ 6162 PSI, 9.2 BPM. TREATED PERFS W/ 5000 GALS 15% HCL ACID. FLUSHED TO BTM PERF. MAX RATE 43. , MAX PRESS 7000 PSI. STEP RATE TEST SHOWED 30 PERFS OPEN. ISIP 5980, F.G. .898. 5 MIN 5929 PSI, 10 MIN 5894 PSI, 15 MIN 5868 PSI. PUMPED 5000 LBS 100 MESH IN 1/2 PPG STAGE AND 140140 LBS THS 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 75 BPM, MAX RATE 79 BPM. AVG PRESS 8256 PSI, MAX PRESS 8256 PSI. I.S.I.P. 6492 PSI. F.G. .938. 5 MIN 6281 10 MIN 6038 PSI. AVE H. POWER 14009 SHUT WELL IN 3930 BBLs TO RECOVER. TURNED WELL OVER TO WIRELINE.
	18:30 20:30	2.00	STG04	21		P		RU WIRELINE.RIH AND SET WCS CBP @ 12,741.5' PERFORATED STAGE # 4 FROM 12731' TO 12475'. USING 3 1/8, 22.7 GM, 120 DEGREE PHASING, 3 SPF. ALL PERFS CORRELATED TO THE PERFORATORS CBL GR/CCL LOG DATED 8-10-2016. STARTING PRESSURE 5800 PSI, FINAL PRESSURE 5500 PSI.
8/29/2016	6:00 7:30	1.50	STG04	28		P		CT TGSM & JSA (FRAC OPERATIONS)

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	7:30 9:30	2.00	STG04	35		P		PRESSURE TEST LINES & EQUIPMENT. OPENED UP WELL W/ 5183 PSI. BREAK DOWN STAGE # 4 PERFS @ 6146 PSI, 9.4 BPM. TREATED PERFS W/ 5000 GALS 15% HCL ACID. FLUSHED TO BTM PERF. MAX RATE 41.2 , MAX PRESS 6316 PSI. STEP RATE TEST SHOWED 26 PERFS OPEN. ISIP 5129, F.G. .84. 5 MIN 5027 PSI, 10 MIN 4912 PSI, 15 MIN 4814 PSI. PUMPED 5040 LBS 100 MESH IN 1/2 PPG STAGE AND 164050 LBS THS 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 75.4 BPM, MAX RATE 75.6 BPM. AVG PRESS 6844 PSI, MAX PRESS 7537 PSI. I.S.I.P. 5689 PSI. F.G. .89 5 MIN 5361 10 MIN 5262 PSI. AVE H. POWER 12648 SHUT WELL IN 4355 BBLs TO RECOVER. TURNED WELL OVER TO WIRELINE.
	9:30 11:30	2.00	STG05	21		P		RU WIRELINE.RIH AND SET WCS CBP @ 12,447' PERFORATED STAGE # 5 FROM 12,432' TO 12,216'. USING 3 1/8, 22.7 GM, 120 DEGREE PHASING, 3 SPF. ALL PERFS CORRELATED TO THE PERFORATORS CBL GR/CCL LOG DATED 8-10-2016. STARTING PRESSURE 5200 PSI, FINAL PRESSURE 5000 PSI.
	11:30 13:00	1.50	STG05	35		P		PRESSURE TEST LINES & EQUIPMENT. OPENED UP WELL W/ 4650 PSI. BREAK DOWN STAGE # 5 PERFS @ 4975 PSI, 9.2 BPM. TREATED PERFS W/ 5000 GALS 15% HCL ACID. FLUSHED TO BTM PERF. AVE RATE 40.7 , AVE PRESS 5875 PSI. STEP RATE TEST SHOWED 31 PERFS OPEN. ISIP 4774, F.G. .84. 5 MIN 4895 PSI, 10 MIN 4844 PSI, 15 MIN 4809 PSI. PUMPED 4980 LBS 100 MESH IN 1/2 PPG STAGE AND 150,780 LBS THS 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 75.6 BPM, MAX RATE 75.9 BPM. AVG PRESS 6423 PSI, MAX PRESS 8162 PSI. I.S.I.P. 5447 PSI. F.G. .88 5 MIN 5227 10 MIN 5117 PSI. AVE H. POWER 11898 SHUT WELL IN 4001 BBLs TO RECOVER. TURNED WELL OVER TO WIRELINE.
	13:00 14:30	1.50	STG06	21		P		RU WIRELINE.RIH AND SET WCS CBP @ 12,198' PERFORATED STAGE # 6 FROM 12,183' TO 11,956'. USING 3 1/8, 22.7 GM, 120 DEGREE PHASING, 3 SPF. ALL PERFS CORRELATED TO THE PERFORATORS CBL GR/CCL LOG DATED 8-10-2016. STARTING PRESSURE 5000 PSI, FINAL PRESSURE 4800 PSI.
	14:30 16:00	1.50	STG06	35		P		PRESSURE TEST LINES & EQUIPMENT. OPENED UP WELL W/ 4782 PSI. BREAK DOWN STAGE # 6 PERFS @ 5335 PSI @ 9.8 BPM. TREATED PERFS W/ 5000 GALS 15% HCL ACID. FLUSHED TO BTM PERF. AVE RATE 40 BPM , AVE PRESS 5789 PSI. STEP RATE TEST SHOWED 34 PERFS OPEN. ISIP 4917, F.G. .841. 5 MIN 4806 PSI, 10 MIN 4758 PSI, 15 MIN 4729 PSI. PUMPED 5300 LBS 100 MESH IN 1/2 PPG STAGE AND 150,400 LBS THS 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 76.4 BPM, MAX RATE 76.4 BPM. AVG PRESS 6411 PSI, MAX PRESS 7105 PSI. I.S.I.P. 5242 PSI. F.G. .86 5 MIN 4961 10 MIN 4896 PSI. AVE H. POWER 11889 SHUT WELL IN 4054 BBLs TO RECOVER. TURNED WELL OVER TO WIRELINE.
	16:00 18:00	2.00	STG07	21		P		RU WIRELINE.RIH AND SET WCS CBP @ 11,934' PERFORATED STAGE # 7 FROM 11,919' TO 11,708'. USING 3 1/8, 22.7 GM, 120 DEGREE PHASING, 3 SPF. ALL PERFS CORRELATED TO THE PERFORATORS CBL GR/CCL LOG DATED 8-10-2016. STARTING PRESSURE 5000 PSI, FINAL PRESSURE 4700 PSI.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	18:00 20:00	2.00	STG07	35		P		PRESSURE TEST LINES & EQUIPMENT. OPENED UP WELL W/ 4640 PSI. BREAK DOWN STAGE # 7 PERFS @ 4932 PSI, @ 9.4 BPM. TREATED PERFS W/ 5000 GALS 15% HCL ACID. FLUSHED TO BTM PERF. AVE RATE 39.5 BPM, AVE PRESS 5563 PSI. STEP RATE TEST SHOWED 41 PERFS OPEN. ISIP 4840, F.G. .843. 5 MIN 4784 PSI, 10 MIN 4757 PSI, 15 MIN 4734 PSI. PUMPED 4903 LBS 100 MESH IN 1/2 PPG STAGE AND 140,600 LBS THS 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 75.3 BPM, MAX RATE 75.6 BPM. AVG PRESS 6074 PSI, MAX PRESS 6715 PSI. I.S.I.P. 5108 PSI. F.G. .87 5 MIN 5011 10 MIN 4950 PSI. AVE H. POWER 11209 SHUT WELL IN 3922 BBLS TO RECOVER. TURNED WELL OVER TO WIRELINE.
	20:00 22:00	2.00	STG08	21		P		RU WIRELINE. RIH AND SET WCS CBP @ 11,690' PERFORATED STAGE # 8 FROM 11,675' TO 11,461'. USING 3 1/8, 22.7 GM, 120 DEGREE PHASING, 3 SPF. ALL PERFS CORRELATED TO THE PERFORATORS CBL GR/CCL LOG DATED 8-10-2016. STARTING PRESSURE 4900 PSI, FINAL PRESSURE 4700 PSI. SHUT AND LOCK HCR VALVES, SHUT MANUEL VALVE, SHUT SURFACE CASING VALVES, ALL CASING VALVES SHUT W/ NIGHT CAPS.
8/30/2016	6:00 10:30	4.50	STG08	28		P		WAIT ON HALLIBURTON TO RE SET LOG HOURS TGSM & JSA (FRAC OPERATIONS)
	10:30 12:30	2.00	STG08	35		P		PRESSURE TEST LINES & EQUIPMENT. OPENED UP WELL W/ 4457 PSI. BREAK DOWN STAGE # 8 PERFS @ 5487 PSI, @ 6.2 BPM. TREATED PERFS W/ 5000 GALS 15% HCL ACID. FLUSHED TO BTM PERF. AVE RATE 41 BPM, AVE PRESS 6086 PSI. STEP RATE TEST SHOWED 31 PERFS OPEN. ISIP 5220, F.G. .89 5 MIN 5137 PSI, 10 MIN 5096 PSI, 15 MIN 5065 PSI. PUMPED 4797 LBS 100 MESH IN 1/2 PPG STAGE AND 135,720 LBS THS 30/50. IN .5#, 1#, 2# AND 3# STAGES. AVG RATE 75.2 BPM, MAX RATE 75.4 BPM. AVG PRESS 6093 PSI, MAX PRESS 7060 PSI. I.S.I.P. 5840 PSI. F.G. .94 5 MIN 5456 10 MIN 5319 PSI. AVE H. POWER 12336 SHUT WELL IN 3868 BBLS TO RECOVER. SHUT AND LOCK HCR VALVES, SHUT MANUEL VALVE, SHUT SURFACE CASING VALVES, ALL CASING VALVES SHUT W/ NIGHT CAPS. ND TOP HCR AND GOAT NU NIGHT CAP.
	12:30 16:30	4.00	RDMO	02		P		RDMOL W/ HALLIBURTON EQUIPMENT
8/31/2016	6:00 12:30	6.50	MIRU	28		P		CT TGSM & JSA (RU COIL TUBING)
	12:30 18:30	6.00	MIRU	01		P		SPOT IN COIL TUBING EQ., NU AND TEST BOPS, PARTIALLY RU COIL TUBING.
9/1/2016	6:00 6:30	0.50	MIRU	28		P		TGSM & JSA (COIL TBG OPERATIONS)
	6:30 9:00	2.50	MIRU	01		P		PU INJECTOR, MU COIL CONNECTOR, PULL AND PRESSURE TEST. MU TOOLS AND 4 1/8" BIT, FUNCTION TEST. MU & PRESSURE TEST COIL TBG AND STACK.
	9:00 23:00	14.00	CTU	40		P		RIH TAG AND DRILL CBPS @ 11690, 11934, 12198, 12447, 12746, 12991, & 13259 CLEAN OUT TO PBTD @ 13540'. CIRCULATE CLEAN, POOH LAY DOWN TOOL ASSEMBLY. BLOW COIL DRY. RD COIL TBG EQUIPMENT.
	23:00 23:00	0.00	FB	23		P		OPEN UP ON A 10/64 CHOKE
9/7/2016	6:00 7:00	1.00	WLWORK	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	7:00 11:30	4.50	WLWORK	27		P		RU WIRELINE UNIT. TEST LUBRICATOR TO 4000 PSI. RIH W/ 4"OD JUNK BASKET / GUAGE RING TO 10193'. POOH. RIH & SET KLX PKR @ 10183'. POOH & RD WIRELINE UNIT.
	11:30 12:30	1.00	MIRU	01		P		RU WORKOVER RIG WHILE BLEEDING PRESSURE OFF WELL.
	12:30 16:00	3.50	WOR	16		P		ND FRAC STACK TO FRAC VALVE. NU & TEST BOP STACK TO 4000 PSI.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	16:00 18:30	2.50	WOR	24		P		MAKE UP ON /OFF SKIRT & TIH W/ 5 JTS 2-3/8"EUE TBG, X-OVER & 137 JTS 2-7/8"EUE TBG. SDFN W/ PIPE RAMS CLOSED & LOCKED (BARRIER 1), SPHERICAL BOP CLOSED (BARRIER 2), CSG VALVES CLOSED W/ DOUBLE VALVES (BARRIERS 1 & 2) & TIW VALVE INSTALLED IN TBG CLOSED & CAPPED (BARRIERS 1 & 2)
9/8/2016	6:00 7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	7:00 11:00	4.00	WOR	24		P		CONTINUE TIH PICKING UP 172 JTS 2-7/8"EUE TBG. TAG PKR SET @ 10183' @ 10173' TBG MEASUREMENT. CHECK SPACE OUT & LAND TBG ON BREECH LOCK TBG HANGER.
	11:00 13:00	2.00	WOR	06		P		CIRCULATE PKR FLUID
	13:00 15:30	2.50	WOR	16		P		RELEASE MANDREL IN BREECH LOCK TBG HANGER. ENGAGE PKR. PU & LAND TBG ON BREECH LOCK TBG HANGER IN 23K TENSION. TEST ANNULUS TO 1000 PSI FOR 15 MINUTES. INSTALL 2 WAY CHECK IN TBG HANGER. ND BOP STACK. NU WELL HEAD & FLOWLINES. TEST TO 5000 PSI. PUMP OUT PLUG @ 4600 PSI. OPEN WELL TO TREATOR.
	15:30 18:30	3.00	RDMO	02		P		RD RIG & MOVE TO TH RETZKE 1-25C4
	18:30 6:00	11.50	FB	19		P		FLOW WELL TO PRODUCTION FACILITY

Lease/Well: YOUNG/ #3-36A1

A.P.I.#: 43-047-54734

Rig Name: OPEN HOLE/ V.E.S.

State/County: UTAH/UINTAH

VS-Azi: 0.000 Degrees

Latitude: 40.34769, Longitude: -109.95270

All Azimuths referenced to True North

No Grid Convergence Applied



FIELD COPY ONLY (NOT DEFINITIVE)

Depth Reference : RKB= GROUND LEVEL

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: completesurvey-de_01_mrg.ut

Minimum Curvature Method

Report Date/Time: 1/26/2016 / 22:06

VES Survey International

Pinedale, Wyoming

866-835-8333

Jay Hinman

RKB= Ground Level

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	****
100.000	0.202	138.675	100.000	-0.133	0.117	-0.133	0.177	138.675	0.202
200.000	0.082	67.744	200.000	-0.238	0.300	-0.238	0.383	128.455	0.192
300.000	0.104	117.629	299.999	-0.253	0.447	-0.253	0.514	119.520	0.081
400.000	0.093	215.496	399.999	-0.361	0.481	-0.361	0.601	126.931	0.149
500.000	0.087	240.647	499.999	-0.464	0.367	-0.464	0.592	141.644	0.040
600.000	0.071	109.084	599.999	-0.522	0.360	-0.522	0.634	145.404	0.144
700.000	0.082	48.266	699.999	-0.495	0.472	-0.495	0.683	136.372	0.078
800.000	0.063	333.809	799.999	-0.398	0.500	-0.398	0.639	128.502	0.089
900.000	0.204	151.914	899.999	-0.506	0.560	-0.506	0.755	132.089	0.267
1000.000	0.548	186.544	999.997	-1.138	0.589	-1.138	1.281	152.626	0.398
1100.000	0.405	173.542	1099.993	-1.964	0.574	-1.964	2.046	163.697	0.179
1200.000	0.503	205.359	1199.990	-2.712	0.426	-2.712	2.745	171.072	0.266
1300.000	0.597	214.303	1299.986	-3.539	-0.056	-3.539	3.539	180.900	0.127
1400.000	0.702	202.380	1399.979	-4.535	-0.582	-4.535	4.572	187.316	0.171
1500.000	0.708	212.005	1499.972	-5.625	-1.143	-5.625	5.740	191.485	0.118
1600.000	0.677	236.937	1599.965	-6.472	-1.966	-6.472	6.764	196.894	0.301
1700.000	0.603	233.326	1699.958	-7.108	-2.883	-7.108	7.670	202.074	0.084
1800.000	0.499	233.818	1799.954	-7.679	-3.656	-7.679	8.505	205.458	0.104
1900.000	0.518	235.638	1899.950	-8.192	-4.380	-8.192	9.289	208.135	0.025
2000.000	0.591	247.414	1999.945	-8.644	-5.229	-8.644	10.103	211.170	0.135
2100.000	0.458	234.964	2099.941	-9.072	-6.032	-9.072	10.894	213.622	0.174
2200.000	0.576	232.518	2199.937	-9.608	-6.759	-9.608	11.747	215.126	0.120
2300.000	0.553	226.374	2299.932	-10.246	-7.507	-10.246	12.702	216.229	0.065
2400.000	0.552	212.761	2399.927	-10.984	-8.117	-10.984	13.658	216.463	0.131
2500.000	0.499	214.389	2499.923	-11.749	-8.624	-11.749	14.574	216.278	0.056
2600.000	0.311	224.839	2599.921	-12.300	-9.061	-12.300	15.277	216.376	0.201
2700.000	0.516	231.132	2699.918	-12.775	-9.602	-12.775	15.982	216.930	0.210
2800.000	0.416	213.553	2799.915	-13.360	-10.154	-13.360	16.781	217.235	0.173
2900.000	0.451	237.241	2899.912	-13.876	-10.685	-13.876	17.514	217.599	0.181
3000.000	0.510	245.560	2999.908	-14.273	-11.421	-14.273	18.280	218.667	0.091
3100.000	0.629	242.201	3099.904	-14.713	-12.312	-14.713	19.184	219.922	0.123
3200.000	0.505	251.025	3199.899	-15.112	-13.214	-15.112	20.075	221.166	0.151

Measured Depth FT	Sundry Angle Deg	Drift Direction Deg	API Well TVD FT	Number: 4304754734000 +N-S FT	Number: 4304754734000 +E-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
3300.000	0.449	246.207	3299.895	-15.414	-13.990	-15.414	20.816	222.227	0.069
3400.000	0.350	244.047	3399.893	-15.705	-14.623	-15.705	21.459	222.956	0.100
3500.000	0.298	230.920	3499.891	-16.003	-15.099	-16.003	22.001	223.335	0.090
3600.000	0.751	151.357	3599.888	-16.741	-14.987	-16.741	22.469	221.834	0.756
3700.000	1.825	96.654	3699.864	-17.501	-13.091	-17.501	21.855	216.797	1.520
3800.000	3.625	95.745	3799.747	-18.002	-8.363	-18.002	19.850	204.918	1.801
3900.000	4.293	92.810	3899.508	-18.502	-1.479	-18.502	18.561	184.570	0.698
4000.000	6.499	86.543	3999.059	-18.344	7.910	-18.344	19.977	156.675	2.280
4100.000	7.322	85.383	4098.332	-17.490	19.911	-17.490	26.502	131.296	0.835
4200.000	8.614	85.530	4197.364	-16.393	33.730	-16.393	37.502	115.921	1.292
4300.000	8.591	80.363	4296.241	-14.559	48.559	-14.559	50.695	106.690	0.773
4400.000	8.734	79.728	4395.100	-11.955	63.394	-11.955	64.511	100.679	0.173
4500.000	8.455	80.020	4493.977	-9.327	78.105	-9.327	78.660	96.810	0.283
4600.000	8.428	81.762	4592.894	-7.003	92.597	-7.003	92.862	94.325	0.257
4700.000	8.446	84.355	4691.812	-5.230	107.158	-5.230	107.285	92.794	0.381
4800.000	8.585	82.704	4790.710	-3.560	121.869	-3.560	121.921	91.673	0.281
4900.000	8.566	83.134	4889.592	-1.722	136.666	-1.722	136.677	90.722	0.067
5000.000	8.312	84.573	4988.509	-0.148	151.256	-0.148	151.256	90.056	0.330
5100.000	7.989	83.950	5087.499	1.268	165.362	1.268	165.367	89.561	0.335
5200.000	8.540	83.968	5186.460	2.781	179.656	2.781	179.678	89.113	0.552
5300.000	8.527	83.835	5285.353	4.357	194.412	4.357	194.461	88.716	0.024
5400.000	8.316	84.223	5384.275	5.881	208.978	5.881	209.060	88.388	0.219
5500.000	8.290	85.485	5483.227	7.177	223.359	7.177	223.474	88.160	0.184
5600.000	7.966	85.243	5582.222	8.319	237.452	8.319	237.598	87.994	0.325
5700.000	8.607	86.817	5681.177	9.309	251.829	9.309	252.001	87.883	0.680
5800.000	8.729	80.011	5780.038	11.041	266.774	11.041	267.002	87.630	1.032
5900.000	8.401	81.719	5878.923	13.409	281.475	13.409	281.795	87.273	0.414
6000.000	8.282	83.930	5977.865	15.223	295.867	15.223	296.258	87.055	0.342
6100.000	7.883	84.468	6076.871	16.645	309.854	16.645	310.301	86.925	0.407
6200.000	7.548	81.147	6175.966	18.317	323.170	18.317	323.688	86.756	0.557
6300.000	8.072	78.571	6275.039	20.719	336.541	20.719	337.178	86.477	0.630
6400.000	8.217	80.402	6374.030	23.302	350.468	23.302	351.242	86.196	0.297
6500.000	8.354	81.407	6472.987	25.579	364.697	25.579	365.593	85.988	0.200
6600.000	8.189	81.903	6571.946	27.667	378.931	27.667	379.940	85.824	0.180
6700.000	8.550	83.492	6670.881	29.513	393.368	29.513	394.473	85.709	0.429
6800.000	9.018	85.846	6769.709	30.923	408.570	30.923	409.739	85.672	0.590
6900.000	8.515	85.403	6868.540	32.084	423.766	32.084	424.979	85.670	0.508
7000.000	6.864	83.602	6967.638	33.344	437.085	33.344	438.355	85.638	1.668
7100.000	8.138	85.608	7066.780	34.552	450.081	34.552	451.405	85.610	1.301
7200.000	7.932	86.704	7165.798	35.490	464.027	35.490	465.382	85.626	0.257
7300.000	6.853	84.085	7264.966	36.502	476.851	36.502	478.246	85.623	1.131
7400.000	6.355	80.722	7364.302	38.009	488.247	38.009	489.724	85.549	0.630
7500.000	6.438	82.739	7463.680	39.610	499.270	39.610	500.839	85.464	0.240
7600.000	6.883	79.051	7563.005	41.457	510.715	41.457	512.395	85.359	0.617
7700.000	6.269	82.715	7662.347	43.287	522.014	43.287	523.806	85.260	0.744
7800.000	4.945	86.133	7761.867	44.270	531.731	44.270	533.570	85.241	1.364
7900.000	4.461	83.307	7861.530	45.014	539.893	45.014	541.767	85.234	0.537
8000.000	4.681	77.729	7961.212	46.335	547.743	46.335	549.700	85.165	0.496
8100.000	4.659	79.801	8060.880	47.921	555.728	47.921	557.791	85.071	0.170
8200.000	4.134	82.239	8160.586	49.127	563.297	49.127	565.435	85.016	0.557
8300.000	4.183	83.527	8260.323	50.025	570.493	50.025	572.682	84.989	0.105
8400.000	3.972	80.305	8360.069	51.019	577.531	51.019	579.780	84.952	0.311
8500.000	3.562	77.223	8459.853	52.290	583.974	52.290	586.310	84.883	0.458
8600.000	2.860	79.194	8559.696	53.444	589.454	53.444	591.872	84.819	0.710
8700.000	2.137	84.474	8659.600	54.092	593.760	54.092	596.218	84.795	0.758

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	API Well Number: TVD FT	43047547340000 +N-S FT	43047547340000 +E-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
8800.000	1.844	89.379	8759.540	54.289	597.224	54.289	599.687	84.806	0.338
8900.000	1.913	85.545	8859.486	54.436	600.497	54.436	602.960	84.820	0.143
9000.000	0.990	91.717	8959.453	54.539	603.025	54.539	605.487	84.832	0.934
9100.000	0.869	87.784	9059.440	54.543	604.647	54.543	607.102	84.846	0.137
9200.000	1.054	74.227	9159.426	54.822	606.289	54.822	608.763	84.833	0.292
9300.000	0.984	47.722	9259.411	55.650	607.810	55.650	610.352	84.769	0.472
9400.000	0.813	23.402	9359.399	56.879	608.727	56.879	611.379	84.662	0.414
9500.000	0.775	17.443	9459.389	58.175	609.212	58.175	611.983	84.545	0.091
9600.000	1.064	59.548	9559.377	59.291	610.215	59.291	613.088	84.450	0.713
9700.000	1.063	68.300	9659.360	60.104	611.877	60.104	614.822	84.390	0.162
9800.000	1.179	72.699	9759.341	60.753	613.721	60.753	616.721	84.347	0.144
9900.000	1.176	78.059	9859.320	61.272	615.708	61.272	618.749	84.317	0.110
10000.000	1.260	76.852	9959.297	61.734	617.783	61.734	620.860	84.293	0.087
10100.000	1.271	73.052	10059.27	62.308	619.914	62.308	623.038	84.260	0.085
10200.000	1.194	79.668	10159.25	62.818	622.000	62.818	625.164	84.233	0.162
10300.000	1.052	76.312	10259.23	63.222	623.917	63.222	627.112	84.214	0.157
10400.000	0.997	100.393	10359.21	63.282	625.664	63.282	628.856	84.225	0.431
10500.000	0.928	104.475	10459.20	62.923	627.304	62.923	630.452	84.272	0.097
10600.000	1.216	86.410	10559.18	62.787	629.147	62.787	632.273	84.301	0.441
10700.000	1.092	103.931	10659.16	62.624	631.131	62.624	634.231	84.333	0.372
10800.000	1.090	101.502	10759.15	62.205	632.988	62.205	636.037	84.387	0.046
10900.000	0.764	127.059	10859.13	61.613	634.452	61.613	637.437	84.453	0.519
11000.000	0.656	131.466	10959.12	60.832	635.413	60.832	638.318	84.531	0.122
11100.000	0.853	140.133	11059.12	59.882	636.319	59.882	639.130	84.624	0.227
11200.000	0.760	156.338	11159.11	58.704	637.062	58.704	639.761	84.735	0.245
11300.000	0.774	163.681	11259.10	57.448	637.518	57.448	640.101	84.851	0.099
11400.000	0.632	142.147	11359.09	56.365	638.046	56.365	640.531	84.952	0.298
11500.000	0.537	159.060	11459.08	55.492	638.552	55.492	640.958	85.033	0.196
11600.000	0.439	153.560	11559.08	54.711	638.890	54.711	641.228	85.105	0.109
11700.000	0.397	128.348	11659.08	54.153	639.332	54.153	641.621	85.158	0.187
11800.000	0.583	139.089	11759.08	53.554	639.937	53.554	642.173	85.216	0.207
11900.000	0.568	183.787	11859.07	52.675	640.237	52.675	642.400	85.297	0.438
12000.000	0.522	156.249	11959.07	51.763	640.388	51.763	642.476	85.379	0.263
12100.000	0.561	167.874	12059.06	50.867	640.674	50.867	642.690	85.460	0.116
12200.000	0.666	169.328	12159.06	49.817	640.885	49.817	642.818	85.555	0.106
12300.000	0.633	145.546	12259.05	48.791	641.305	48.791	643.158	85.649	0.270
12400.000	0.934	148.906	12359.04	47.638	642.038	47.638	643.803	85.757	0.304
12500.000	1.299	141.890	12459.02	46.048	643.159	46.048	644.805	85.905	0.390
12600.000	1.108	143.288	12559.00	44.380	644.436	44.380	645.963	86.060	0.194
12700.000	1.378	137.731	12658.98	42.715	645.823	42.715	647.234	86.216	0.296
12800.000	1.207	135.282	12758.95	41.077	647.374	41.077	648.676	86.369	0.180
12900.000	1.002	148.906	12858.93	39.579	648.567	39.579	649.773	86.508	0.332
13000.000	1.235	138.778	12958.91	38.020	649.728	38.020	650.840	86.651	0.304
13100.000	1.252	134.760	13058.89	36.440	651.214	36.440	652.233	86.797	0.089
13200.000	1.111	151.605	13158.87	34.818	652.451	34.818	653.379	86.945	0.373
13300.000	1.185	151.817	13258.85	33.053	653.401	33.053	654.236	87.104	0.074
13343.000	1.108	144.551	13301.84	32.322	653.852	32.322	654.650	87.170	0.383

<div> HORIZONTAL DISPLACEMENT IS 654.650 FEET AT 87.170 DEGREES </div>
